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# **SITE CHARACTERIZATION/REMEDIAL INVESTIGATION AND FINAL REPORT**

**CABOT OIL & GAS CORPORATION  
[REDACTED] 2H/4H WELLSITE  
DIMOCK TOWNSHIP, PENNSYLVANIA**

*Prepared for:*



**Cabot Oil & Gas Corporation  
5 Penn Center West, Suite 401  
Pittsburgh, Pennsylvania 15276**

*Prepared by:*



**URS Corporation  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220**

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**JUNE 2010**

CABOT-EPA 006221



June 18, 2010

Pennsylvania Department of Environmental Protection  
East Region Oil and Gas Management Program  
Pennsylvania Department of Environmental Protection  
208 West Third Street, Suite 101  
Williamsport, PA 17701-6448

Attention: Ms. Jennifer Means  
Environmental Program Manager

**Re: Remedial Investigation/Site Characterization and Final Report  
Cabot Oil & Gas Corporation  
[REDACTED] 2H & 4H Wellsite, Dimock Township  
Susquehanna County, Pennsylvania**

Dear Ms. Means:

On behalf of Cabot Oil & Gas Corporation (Cabot), URS Corporation (URS) has prepared and is submitting the attached Remedial Investigation/Site Characterization and Final Report for the Cabot Oil & Gas A & M [REDACTED] 2H and A & M [REDACTED] 4H Wellsite (Site) in Dimock Township, Susquehanna County, Pennsylvania. The enclosed report summarizes the initial investigation activities performed following the observance of black water in the vicinity of the Site on March 21, 2010 and subsequent site characterization, remedial action, and demonstration of attainment activities performed to address the April 29, 2010 Order issued to Cabot by the Pennsylvania Department of Environmental Protection (PADEP).

Site soils and groundwater were remediated with attainment of the Statewide Health Standard (residential, used aquifer) Medium-Specific Concentrations, being demonstrated for all constituents of potential concern regulated under Act 2, as specified in 25 PA Code Chapter 250. A completed Land Recycling Program Transmittal Sheet for Plan/Report Submission to accompany the above report and a check in the amount of \$250 for the report submission fee as required for a Statewide Health Standard Final Report is enclosed. It is our understanding that, as the remediation report is being submitted within 90 days of the release, this will complete the submittal requirements under Act 2.

It is also our understanding that this submittal fulfills requirements of items 6, 7, 8, 9, 10, and 11 of the April 29, 2010 Order issued to Cabot by PADEP.

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CABOT-EPA 006222





Ms. Jennifer Means

June 18, 2010

Page 2 of 2

If there are any questions concerning this document, please contact either Jim Pinta at (412) 503-4602 or me at (412) 503-4560.

Sincerely,  
**URS CORPORATION**

A handwritten signature in black ink that reads "David Testa".

David Testa, QEP  
Project Manager

A handwritten signature in black ink that reads "James Pinta, Jr.".

James Pinta, Jr., Ph.D., P.G.  
Principal Geologist  
PA PG# PG-000701G

Enclosure

cc: Phil Stalnaker, Cabot Oil & Gas Corporation  
John Smelko, Cabot Oil & Gas Corporation  
Eric Rooney, PADEP  
Andy Mehalko, URS Pittsburgh

CABOT-EPA 006223

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**JUNE 2010**

CABOT-EPA 006224

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# SITE CHARACTERIZATION/REMEDIAL INVESTIGATION AND FINAL REPORT

CABOT OIL & GAS CORPORATION  
[REDACTED] 2H/4H WELLSITE  
DIMOCK TOWNSHIP, PENNSYLVANIA

*Prepared for:*




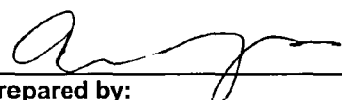
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JUNE 2010

CABOT-EPA 006225

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## EXECUTIVE SUMMARY

Cabot Oil & Gas Corporation (Cabot) operates the leased wellsite designated as [REDACTED] [REDACTED] 2H/A & M [REDACTED] 4H ([REDACTED] 2H/4H) in Dimock Township, Susquehanna County, Pennsylvania (Wellsite). The Wellsite is a portion of a larger tract that consists of approximately 16,300 acres and is leased from [REDACTED] [REDACTED] and [REDACTED] [REDACTED] to explore for and produce natural gas.

On Sunday, March 21, 2010, water containing suspended black particles (black water) was observed in the shallow hand dug well on the Mr. [REDACTED] property along State Route 29 (SR29) and at the shallow dug hand dug well on the Ms. [REDACTED] property further to the south, also along SR29. Additionally, groundwater seeps downgradient from the Wellsite exhibited black water. In the vicinity of the shallow hand dug well on Mr. [REDACTED] property, the black water extended along the drainage swale adjacent to SR29 and discharged from a drainage culvert on the east side of SR29 to an open field. At the location of the shallow well on Ms. [REDACTED] property, the black water extended to a groundwater seep adjacent to the pond on Mr. [REDACTED] property. In response to this occurrence, GasSearch Drilling Services Corporation (GDS) pumped standing water from the shallow hand dug well on Mr. [REDACTED] property and installed two sumps in the drainage swale along SR29 to capture surface water and minimize further surface water migration. Surface water at this location has been collected continuously since the black water was observed. Sedimentation EELs were placed downgradient of the area near the Ms. [REDACTED] [REDACTED] well to minimize the surficial migration of black water in this area.

URS Corporation (URS) mobilized to the Wellsite on March 21, 2010 to investigate the black water occurrence. Samples were collected from a total of 13 locations in the vicinity, including shallow hand dug wells, groundwater seeps, surface water locations, deep drinking water wells, and the [REDACTED] 2H/4H reserve pit on March 23, 2010.

Evaluation of the groundwater and surface water chemistry did not indicate a correlation between the materials in the reserve pit and the black water observed in the nearby hand dug wells. All deep drinking water wells were found to meet applicable drinking water standards. Static water contained in the pressure tank connected to the shallow well on the Ms. [REDACTED] [REDACTED] property exhibited a level of lead above the Pennsylvania Department of

Environmental Protection's (PADEP's) Statewide Health Standard (SHS) residential, used-aquifer (R-U) Medium Specific Concentration (MSC); however, due to a potential previous impact, she was receiving bottled water for potable use and maintained a water buffalo in the basement for other water needs.

Initial analytical results (March 2010) indicated the following:

- Water from the reserve pit exceeded the SHS R-U MSCs for the metals aluminum, antimony, arsenic, barium, iron, and lead, TDS, pH, and chloride, and had elevated levels of total coliform and fecal coliform.
- Deep wells that are currently used for drinking water (samples [REDACTED] 05, [REDACTED] 06, and [REDACTED] 12) meet the applicable Federal Maximum Contaminant Levels (MCLs) and PADEP SHS R-U MSCs. Additionally, comparison of the drinking water samples from the Mr. [REDACTED] [REDACTED] and Mr. [REDACTED] [REDACTED] wells indicate that no significant change in water quality has occurred in the interim or as a consequence of the occurrence of black water. A comparison of the water collected at the pressure tank from the Ms. [REDACTED] [REDACTED] residence shows the potential for impact vs. baseline conditions. However, with a previous impact having occurred (indicated by a 12/22/09 analysis) that resulted in her use of bottled water, it is difficult to ascertain the true impact (if any) from the black water.
- Downgradient shallow well samples ([REDACTED] and Ms. [REDACTED] [REDACTED]) only exhibited elevated levels of total coliform and fecal coliform (and pH at [REDACTED] 04). The water in the pressure tank at the residence of Ms. [REDACTED] [REDACTED] [REDACTED] 2H-13) that is connected to the shallow hand dug well on her property also exhibited an elevated level for dissolved lead (not collected during the baseline rounds) above the MCL. Consequently, the sample collected directly from the well ([REDACTED] 03) does not correlate to the water in the pressure tank. This may be due in part to the timing of the sample collection (URS did not become aware of the water present in the tank until the following afternoon after the shallow well sample was collected), but the presence of high levels of total and fecal coliform in the well that are absent in the tank indicate a significant difference.

- The samples collected from the two sumps along SR 29 and the culvert on the east side of SR 29 had elevated levels of total coliform. The upgradient sump location also had elevated levels of fecal coliform while the culvert sample had elevated levels of fecal coliform and exceeded applicable standards for TDS and chloride. The differences between the upgradient and downgradient sumps appear to be influenced by the current/historic runoff in the drainage swale (the upgradient sump was specific to a groundwater seep downgradient of Mr. [REDACTED] [REDACTED] shallow well while the downgradient sump represented a combination of flows into the drainage swale). Additionally, at the time of the sample collection in the culvert, flow to the culvert from the west side of SR29 had been intercepted by the vac truck and no flow was apparent entering the west side of the culvert. Consequently, flow out of the culvert on the east side indicates contributions from other sources.
- The samples collected from the up and downgradient stream locations indicate that the unnamed stream flowing to Burdick Creek was not impacted with the up and downstream sample locations being nearly identical for all parameters. Only total and fecal coliform were observed at elevated levels at both locations, likely due to the historic nature of the pasture that drains towards this feature.
- All soil sample results, with the exception of that for arsenic in the reserve mud pit sample ([REDACTED]02), were below their respective SHS R-U MSCs.

URS presented the results of these initial findings to the PADEP in a report dated April 9, 2010.

PADEP issued a Notice of Violation (NOV) on April 8, 2010 for alleged violations of the Clean Streams Law of Pennsylvania 35 P.S. §691.1 et. seq.; the Oil and Gas Act, 58 P.S. §601.101 et seq.; the Solid Waste Management Act, 35 P.S. §6018.101, et seq.

On April 29, 2010 an Order was issued requiring Cabot to:

- Remove all cuttings and fluids from the reserve pit;



- Implement the final closure and removal of the reserve pit;
- Notify the PADEP the date upon which each of the tasks are initiated and/or completed such that the PADEP can adequately inspect the condition of the liner placed in the reserve pit and oversee the final closure and removal of the reserve pit;
- Submit to the PADEP a letter describing the completion of the final closure and removal of the reserve pit;
- Submit to the PADEP for review and approval a full and thorough Site Characterization Work Plan detailing all tasks necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and subsurface water in the areas surrounding the well pad housing both the A & M [REDACTED] 2H and the A & M [REDACTED] 4H;
- Complete those tasks needed to conduct a full and thorough Site Characterization as necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and surface water. Such investigation should include, but not be limited to, the taking of appropriate soil samples and placement of monitoring wells;
- Submit to the PADEP a Site Characterization Report setting forth the results of its investigation and analysis. If necessary, the PADEP shall comment, in writing, on the report and, within fifteen (15) days of receipt of the PADEP's comments, Cabot shall address the PADEP's comments and submit a revised report to the PADEP responding to the comments;
- Submit to the PADEP a Work Plan outlining proposals for remediation of any soil, groundwater, and surface water contamination as identified in the Site Characterization Report in accordance with the Land Recycling Program Regulations, 25 Pa. Code Chapter 250 and setting forth a schedule for initiation and completion dates. If the Work Plan is disapproved, Cabot shall modify the Work Plan, incorporate the PADEP's comments, and submit a revised Work Plan to the PADEP within fifteen (15) days. The cleanup levels set forth in the Work Plan for remediation of soil, groundwater, and surface water contamination shall be governed by the cleanup standards established in 25 Pa. Code Chapter 25;
- Upon approval of the Work Plan by the PADEP, Cabot shall implement the remediation activities outlined in the Work Plan. Cabot shall submit Quarterly Progress Reports outlining activities undertaken in the implementation of the Work Plan; and

- Submit a Final Report to the PADEP demonstrating attainment of the cleanup levels established in the Work Plan. The Final Report shall be submitted in accordance with Act 2.

During the period from April 30, 2010 through May 4, 2010 the materials present in the reserve pit were removed and the liner cleaned. An inspection of the liner revealed a series of perforations primarily in the eastern and western ends. Following removal of the liner and underling geotextile, staining of the underlying straw and subsurface soils was observed. As developed in the field with PADEP, 12 samples were collected from the locations having the darkest staining of hay.

A Work Plan was prepared by URS with input from PADEP to fulfill the requirement of the Order and submitted to the PADEP on May 7, 2010. PADEP comments on the Work Plan were provided via e-mail on May 12, 2010. URS provided responses to the comments on May 13, 2010 on behalf of Cabot and the Work Plan was implemented. The PADEP-approved Work Plan included the following scope of activities:

- Characterization of the source material, namely the liquid and solids portion of the cuttings from the reserve pit;
- Characterization of subsurface materials immediately below the stained hay at the 12 most stained locations identified immediately after mud, liner, and geotextile removal from the pit,
- Confirmational sampling, after remediation of stained material from the base and the sides of the reserve pit, at the locations of the original characterization sampling plus one additional location in the base of the pit, as requested by PADEP;
- Characterization of groundwater, drinking water, surface water, and sediments in the vicinity of the Wellsite; and
- Installation of bedrock monitoring wells on the well pad to evaluate water table potentiometric surface and groundwater quality in the immediate vicinity of the reserve pit.

Following removal of the impacted hay and subsurface soils from the reserve pit, 12 confirmational samples were collected at the same locations and, also at the request of the PADEP, a 13<sup>th</sup> sample was collected where a rock created a small tear in the liner at the base of the pit during removal of material from the pit, approximately one third of the length in from the eastern side. Results of the pre-remediation sampling showed exceedances of the SHS R-U MSC for arsenic at three locations and barium at one location. Post-remediation sampling showed exceedances slightly above the SHS R-U MSC for arsenic at two locations. With the concurrence of PADEP, additional remediation was conducted at these locations and confirmational samples were collected and analyzed for arsenic only. Results of the confirmational samples showed arsenic to be below the SHS R-U MSC and approval was granted by PADEP to complete the final closure of the pit. Approximately 1,500 yds<sup>3</sup> of drilling material and subsurface soil was removed from the reserve pit and properly disposed.

A second round of samples from the reserve pit, hand dug wells, groundwater seeps, and drinking water wells in the surrounding area was collected during the period from May 1, 2010 (with the removal of the pit materials) to May 7, 2010, consistent with the approved Work Plan. During this event, a water sample could not be collected from the pit as the solid content was too high. In addition, insufficient water was present at the groundwater seep downgradient of the Ms. [REDACTED] [REDACTED] shallow well to sample. Two samples were collected during this time from the Mr. [REDACTED] [REDACTED] shallow hand dug well and downgradient sump along SR29.

During both of these sampling rounds, all constituents of potential concern (COPC) for regulated constituents were below the SHS R-U MSCs except as follows:

- Lead was detected during the first sampling round at the Ms. [REDACTED] [REDACTED] pressure tank;
- TDS and chloride were above their respective MSCs at the storm culvert east of SR29;
- pH was below the MSC at the shallow hand dug well on the Mr. [REDACTED] [REDACTED] property; and
- Reserve pit water exceeded the SHS R-U MSCs for aluminum, antimony, arsenic, barium, iron and lead, pH, TDS, and chloride; however, this water was removed

during the reserve pit closure activities and properly disposed off-site and is therefore not a medium of concern.

Manganese was an order of magnitude lower in the reserve pit and thallium was not detected in the groundwater wells installed on the well pad (the RL for thallium in the original sampling event for the reserve pit was above the SHS R-U MSC). All concentrations were below their respective SHS R-U MSCs during the second round of Remedial Investigation/Site Characterization sampling. As water from the reserve pit had a high pH, the low pH observed at the Mr. [REDACTED] [REDACTED] well is not a function of impact by fluid from the reserve pit; therefore, pH is not a COPC.

A subsurface investigation was conducted in the vicinity of the reserve pit on the well pad to help formulate the Conceptual Site Model (CSM). According to the approved Work Plan, monitoring wells were installed on the well pad (MW-1, MW-2, and MW-4) in the northwest, northeast, and southwest corners, respectively. Two attempts were made to install MW-3 in the southeast corner of the wellpad; however, after advancing the borehole 100 ft-below ground surface (bgs) at two locations in the southeast corner of the well-pad, groundwater was not encountered and, with the concurrence of PADEP, the boreholes were abandoned. The boreholes on the well pad showed that subsurface materials generally consisted of between 8 to 18 ft of unconsolidated fill (well pad material) and decomposed siltstone overlying fractured sandstone bedrock. Evaluation of the groundwater potentiometric surface showed that the potentiometric surface generally followed the overlying topography, trending generally to the southeast. Predominant fractures in bedrock in the area trend east to west and are expected to be the primary flow pathways in the subsurface.

Two rounds of groundwater data were collected in accordance with the approved Work Plan on May 20, 2010 and June 3 and 4, 2010. Analytes included Target Compound List (TCL) Volatile Organic Compounds (VOCs), TCL Semi Volatile Organic Compounds (SVOCs), Target Analyte List (TAL) metals, and selected wet chemistry parameters and coliform analyses (total, fecal, and fecal strep). For both rounds of sampling, all groundwater results were below their respective SHS R-U MSCs for all regulated compounds with the exception of bis(2-ethylhexyl)phthalate at MW-2 during the May 20, 2010 event. However, this compound is believed to be either a laboratory or sampling contaminant and was not present in the pit material sampled; therefore, it is not a COPC for the Site.

More than 1 million gallons of surface water derived from groundwater seeps has been recovered from the two sumps installed on March 21, 2010 in the drainage swale along SR29. These sumps capture groundwater emanating from the groundwater seep downgradient of the shallow hand dug well on Mr. [REDACTED] property. As a result, migration of the surface water from this area to the downgradient tributary to Burdick Creek has been eliminated since pumping began. Recovery continues to be conducted at the downgradient sump location pending PADEP approval to discontinue this activity.

Based on confirmational soil sampling results conducted after remediation of materials from the reserve pit, soil impact associated with the reserve pit has been delineated both vertically and horizontally at the Wellsite and remediation has been effective in removing impacts to the subsurface from material released from the reserve pit.

As shown by the sampling conducted at the monitoring wells installed at the Wellsite (MW-1, MW-2, and MW-4), groundwater below the well pad is not impacted by effects from the reserve pit.

Based on the evaluation of the chemistry of the downgradient shallow wells, groundwater seeps, and groundwater monitoring wells installed on the well pad, and consistent with the Site Conceptual Model, the black water occurrence in the shallow wells, groundwater seeps, and surface water is not related to the materials that were present in the reserve pit. Based on the presence of coliform identified in the area (residual impacts from historic agricultural use), shallow wells, groundwater seeps, and the water from the stream should not be used as a drinking water source. All deep drinking water wells evaluated were free of coliform and met federal and state drinking water standards.

The selected remediation standard for demonstration of attainment is the SHS R-U MSC, for all COPCs as specified in 25 PA Code Chapter 250.

The following analytes were detected at the Wellsite and are considered to be COPCs:

**Soil:**

- **VOCs:** n-butylbenzene, sec-butylbenzene, ethylbenzene, isopropylbenzene (cumene), p-isopropyltoluene, naphthalene, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes;
- **SVOCs:** none
- **Metals:** aluminum, antimony, arsenic, barium, beryllium, boron, calcium, chromium, cobalt, copper, iron, lead, magnesium, molybdenum, nickel, potassium, silver, vanadium, and zinc; and
- **Nitrogen (as ammonia).**

**Groundwater and Surface Water:**

- **VOCs:** bromomethane;
- **SVOCs:** none;
- **Metals:** aluminum, antimony, arsenic, barium, boron, calcium, chromium, copper, iron, lead, magnesium, molybdenum, nickel, potassium, sodium, vanadium, zinc; and
- **Chloride.**

Acetone, 2-butanone (MEK), carbon disulfide, and bis(2-ethylhexyl)phthalate, while detected in certain samples, are considered to be laboratory contaminants, and, therefore, not COPCs. In addition, although manganese and thallium were detected in surface water and/or groundwater samples, they are not considered to be COPCs because of their low concentration in the reserve pit materials. Surfactants and chloride do not have MSCs for soils under Act 2.

Cabot is requesting Relief from Further Remediation Liability Protection (ROL) for identified COPCs for the drilling mud release from the PADEP for Cabot, GDS (remediation contractor), the landowners: [REDACTED] [REDACTED] [REDACTED] [REDACTED] C. [REDACTED] [REDACTED] [REDACTED] [REDACTED] and [REDACTED] and [REDACTED] and [REDACTED] and all subsequent owners and operators of the remediated area in accordance with Pennsylvania's Land Recycling Act (Act 2) and with the regulatory requirements of 25 PA Code Chapter 250.

Once PADEP has issued the ROL for this area, the following reclamation activities will be conducted:

- Water recovery from the sump along SR 29 will be discontinued;
- The downgradient sump will be reclaimed and the function of the drainage swale along SR29 restored; and
- Upon receipt of an ROL for soil and groundwater from the PADEP, Cabot will properly decommission the three monitoring wells installed on the well pad (MW-1, MW-2, and MW-4). The wells will be decommissioned according to *PADEP Land Recycling Program Technical Guidance Manual*, Section V, Attachment F dated June 2002 (as updated) and the *Groundwater Monitoring Guidance Manual*, Chapter 7 – Well Abandonment Procedures, Section 7.4 – Material and Methods, Subsection 7.4.2 – Sealants, dated December 1, 2001.

## 1.0 INTRODUCTION

This Remedial Investigation/Site Characterization and Final Report documents the investigation activities, cleanup efforts, estimated area impacted, and the results of site remediation related to the observed occurrence of black water on March 21, 2010 in the vicinity of the A & M [REDACTED] 2H/A & M [REDACTED] 4H ([REDACTED] 2H/4H) wellsite located in Dimock Township, Susquehanna County, Pennsylvania (Wellsite). The Wellsite is currently owned by [REDACTED] and [REDACTED] ([REDACTED]), and is part of a larger tract of land (about 16,300 acres) that is leased by Cabot Oil & Gas Corporation (Cabot) to explore for and produce natural gas (**Figure 1**). Cabot received a Notice of Violation (NOV) on April 8, 2010 regarding the occurrence of black water in the vicinity of the Wellsite (**Appendix A**).

The Wellsite was constructed according to an approved Erosion and Sedimentation (E&S) Control Plan prepared August 2009 and as revised October 9, 2009. The Wellsite is bounded to the east and west by wooded areas, a rock quarry to the north, and farmland to the south. The well pad is bounded by a berm along its perimeter to prevent the uncontrolled release of materials from the Site. Water in the area drains to the east towards an unnamed tributary of Burdick Creek, a tributary that flows to Meshoppen Creek that is designated as a Cold Water Fishery (CWF). To the west and south of the Wellsite, surface water drains to a low lying pond across SR 3010. This pond drains to Stevens Creek that also flows to Meshoppen Creek.

### 1.1 OBJECTIVES

In accordance with 25 PA Code Chapter 250, the objectives of the Remedial Investigation/Site Characterization and Final Report are to:

- Provide sufficient physical data through field investigations to determine if a release has occurred and, if so, what constituents of potential concern (COPCs) are involved and the extent of migration, if any, of those COPCs into surface water, groundwater, soil, or sediment;
- Evaluate and define any source(s) of impact;



- Evaluate whether interim remedial actions are necessary to abate an imminent hazard to human health or the environment and describe the remedial actions conducted to minimize impact to the environment;
- Determine, from measurements at the Site, values for input parameters, including hydraulic conductivity, source dimensions, hydraulic gradient, and groundwater table fluctuations necessary for fate and transport analysis;
- Develop a Conceptual Site Model (CSM);
- Provide an evaluation of potential exposure pathways and potentially exposed populations; and
- Provide sufficient information to draw conclusions regarding the attainment of the clean up standards selected and, if required, development of warranted remedial options for each medium of concern.

## 1.2 SCOPE OF WORK PERFORMED

On Sunday March 21, 2010 an initial observance of black water was reported to Cabot by one of the adjacent landowners, Mr. [REDACTED] [REDACTED] whose property is to the northeast of the Site. Cabot subsequently reported the occurrence to the Pennsylvania Department of Environmental Protection (PADEP). Initial response was performed that day (Sunday, March 21, 2010) by Cabot and URS Corporation (URS) documenting the presence of the black water at the shallow hand dug well located on Mr. [REDACTED] [REDACTED] property adjacent to State Route 29 (SR 29) (**Figure 2**), and emanating from a groundwater seep downgradient of this well to the drainage swale on the west side of SR 29. Photos are provided in **Appendix B**. The drainage swale is intercepted by a culvert present underneath SR 29 at the intersection of SR 29 and the access road to the well pad that discharges to an open field on the east side of the road. The field grades topographically to the east towards an un-named tributary to Burdick Creek that flows south to Meshoppen Creek, which is designated as a CWF. URS conducted sampling of the Wellsite reserve pit materials and soils, sediments, groundwater seeps, and drinking water locations in the vicinity of the Wellsite following the observance of black water in shallow, hand dug wells, and groundwater seeps in the vicinity of the Wellsite. A sample location map is provided as **Figure 2**. The results of this sampling are contained in the URS Report dated April 9, 2010, provided to the PADEP by Cabot on the same date.

Initial response activities were conducted by GasSearch Drilling Services Corporation (GDS) and involved removal of water from the shallow hand dug well on Mr. [REDACTED] property with a vac truck and then constructing two shallow sumps in the drainage swale to intercept and prevent surface migration to the drainage culvert running beneath SR29. A vac truck was set up to continuously remove water collected in the shallow sumps. An inspection of the surrounding hillside between the well pad and SR 29 was conducted and no additional groundwater seeps or evidence of black water were identified in this area. A groundwater seep discharges to a drainage swale adjacent to the well pad access road, flowing through a culvert under the barn east of Mr. [REDACTED] residence that is owned by the [REDACTED] ([REDACTED] Barn), and eventually discharges to the drainage swale along SR 29. No visible black water or sediment was identified in this groundwater seep. Additionally, as a precaution, GDS mobilized vac trucks to remove standing water from the A & M [REDACTED] 2H and A & M [REDACTED] 4H well cellars and the adjacent reserve pit located on the northern portion of the well pad.

On April 8, 2010 PADEP issued an NOV for alleged violations of the Clean Streams Law of Pennsylvania 35 P.S. §691.1 et. seq.; the Oil and Gas Act, 58 P.S. §601.101 et seq.; and the Solid Waste Management Act, 35 P.S. §6018.101, et seq (**Appendix A**).

On April 29, 2010, the PADEP issued an Order (Order; received May 3, 2010) directing Cabot to:

- Remove all cuttings and fluids from the reserve pit;
- Implement the final closure and removal of the reserve pit;
- Notify the PADEP the date upon which each of the tasks are initiated and/or completed such that the PADEP can adequately inspect the condition of the liner placed in the reserve pit and oversee the final closure and removal of the reserve pit;
- Submit to the PADEP a letter describing the completion of the final closure and removal of the reserve pit;
- Submit to the PADEP for review and approval a full and thorough Site Characterization Work Plan detailing all tasks necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and subsurface water in the

areas surrounding the well pad housing both the A & M [REDACTED] 2H and the A & M [REDACTED] 4H;

- Complete those tasks needed to conduct a full and thorough Site Characterization as necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and surface water. Such investigation should include, but not be limited to, the taking of appropriate soil samples and placement of monitoring wells;
- Submit to the PADEP a Site Characterization Report setting forth the results of its investigation and analysis. If necessary, the PADEP shall comment, in writing, on the report and, within fifteen (15) days of receipt of the PADEP's comments, Cabot shall address the PADEP's comments and submit a revised report to the PADEP responding to the comments;
- Submit to the PADEP a Work Plan outlining proposals for remediation of any soil, groundwater, and surface water contamination as identified in the Site Characterization Report in accordance with the Land Recycling Program Regulations, 25 Pa. Code Chapter 250 and setting forth a schedule for initiation and completion dates. If the Work Plan is disapproved, Cabot shall modify the Work Plan, incorporate the PADEP's comments, and submit a revised Work Plan to the PADEP within fifteen (15) days. The cleanup levels set forth in the Work Plan for remediation of soil, groundwater, and surface water contamination shall be governed by the cleanup standards established in 25 Pa. Code Chapter 25;
- Upon approval of the Work Plan by the PADEP, Cabot shall implement the remediation activities outlined in the Work Plan. Cabot shall submit Quarterly Progress Reports outlining activities undertaken in the implementation of the Work Plan; and
- Submit a Final Report to the PADEP demonstrating attainment of the cleanup levels established in the Work Plan. The Final Report shall be submitted in accordance with Act 2.

During the time period from April 30 – May 4, 2010, Cabot removed the residual fluids and drill cuttings from the reserve pit. The fluids were removed using vac trucks and super suckers and transported for treatment. The cuttings were removed using excavators and hand labor and loaded to roll-off boxes and transported off-site for disposal. The plastic liner and underlying geotextile at the reserve pit were removed to expose the subsurface soils

under the geotextile and liner. Hay used to protect the geotextile and plastic liner from punctures was observed to be stained in several locations, with the darkest discoloration being observed at 6 locations at the bottom of the reserve pit, 2 locations along the northern wall of the pit, and 4 locations along the southern wall of the reserve pit.

URS prepared and implemented the Work Plan required by the PADEP Order. The PADEP-approved Work Plan included the following scope of activities:

- Characterization of the source material, namely the liquid and solids portion of the cuttings from the reserve pit;
- Characterization of subsurface materials immediately below the stained hay at the 12 most stained locations identified immediately after mud removal from the pit,
- Confirmational sampling after remediation of stained material from the base and the sides of the reserve pit at the locations of the original characterization sampling plus one additional location in the base of the pit, as requested by PADEP;
- Characterization of groundwater, drinking water, surface water, and sediments in the vicinity of the wellsite; and
- Installation of bedrock monitoring wells on the well pad to evaluate water table potentiometric surface and groundwater quality in the immediate vicinity of the reserve pit.

Sampling of pit materials was conducted on May 1, 2010 during their removal. An initial round of sampling of the pit base and walls was performed following removal of the liner and straw sub-base at 12 locations exhibiting the greatest visible staining on May 4, 2010. Analytes collected (consistent with the Work Plan) included:

- Volatile Organic Compounds (VOCs) (Target Compound List [TCL] + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and p-isopropyltoluene);
- Semi-Volatile Organic Compounds (SVOCs) (Tentatively Identified Compounds [TICs]);
- Metals (Target Analyte List [TAL]); and

- Chloride and MBAS (on the ASTM leachate).

Following remedial activities consisting of removal of stained hay and stained soil, these locations were re-sampled on May 10, 2010 and a thirteenth sample was collected on May 13, 2010. Following receipt of the confirmational sample analyses, two locations [REDACTED] 2H/4H-7R and [REDACTED] 2H/4H-12R from the base of the pit exceeded the Statewide Health Standard (SHS), Residential Used Aquifer (R-U), Medium Specific Concentration (MSC) for arsenic. Consequently, URS remobilized to the Site on May 27, 2010 to conduct additional remediation and confirmational sampling in these areas. At the direction of PADEP, samples were recollected from these two locations following removal of additional soil and analyzed for arsenic only. Following the additional remediation and subsequent confirmational sampling, all regulated constituents were below their respective SHS R-U MSCs and a request was made to allow final closure of the reserve pit on June 2, 2010, consistent with the Order. PADEP approved the initiation of final closure on June 3, 2010 and extended the final closure date to June 18, 2010 to allow for any additional activities that could be required to comply with the Order.

A second round of sampling at the previously identified locations surrounding the Wellsite (consistent with the initial sampling performed during March 23 through March 25, 2010, above) was conducted during the period from May 1, 2010 through May 7, 2010. Note that samples from the shallow hand dug well on Mr. [REDACTED] [REDACTED] property and downgradient sump were collected twice during this period, once during pit cleaning activities on May 1, 2010, and again during a full round of sampling on May 6 and 7, 2010. Samples were analyzed for:

**Water:**

- VOCs (TCL + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and p-isopropyltoluene);
- Metals (TAL);
- pH, total dissolved solids (TDS), total suspended solids (TSS), chloride, sulfide, and MBAS (surfactants); and
- Total coliform, fecal coliform, and fecal strep.

**Soil/sediment samples:**

- VOCs (TCL + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and p-isopropyltoluene);
- Metals (TAL); and
- Chloride, sulfide, and MBAS (on the ASTM leachate).

During the second round of sampling, the groundwater seep downgradient of the shallow hand dug well on Ms. [REDACTED] property did not have sufficient water to sample and only a sediment sample could be collected. Additionally, while a sample was collected as a pit water sample on May 1, 2010, the high level of solids present necessitated laboratory analysis as a solid. Furthermore, in addition to the sediment collected from the area of overland flow between the hand dug well on Mr. [REDACTED] property and the up-gradient sump, sediment was also collected from the sump during this round. No overland flow was present between the hand dug well and the sump during this event.

The analytical results for the pit and soil/sediment samples were compared to their respective Act 2 SHS R-U MSCs, or direct contact level MSC (whichever is more stringent) under 25 PA Code Chapter 250 (hereafter SHS R-U MSC). Drinking water samples were compared to their applicable Federal Drinking Water Maximum Contaminant Levels (MCLs) and SHS R-U MSCs. Additionally, surface water and stream samples were compared to applicable surface water quality criteria per 25 PA Code Chapters 16 and 93.

As described in the Work Plan, an attempt was made to install four bedrock monitoring wells on the well pad to evaluate the water table potentiometric surface and groundwater quality in the immediate vicinity of the reserve pit. On May 17 through 20, 2010, three monitoring wells MW-1, MW-2, and MW-4 were installed (**Figure 2**) in the northwest, northeast, and southwest corners of the well pad, respectively. Additionally, two soil borings were advanced to 100 feet below ground surface (ft-bgs) in the southeast corner of the wellpad in an attempt to intercept the water bearing unit in this area (proposed well MW-3). As no groundwater was encountered, with the concurrence of PADEP, the borings were abandoned and no well was installed in this location. Boring logs for the boreholes and monitoring well construction diagrams are provided in **Appendix E**. Following completion, wells were surveyed to allow

groundwater levels to be measured to the nearest 0.01 feet mean sea level (ft-msl). Following development on May 20, 2010, an initial round of groundwater samples was collected and analyzed for the following parameters:

- VOCs (TCL + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and p-isopropyltoluene);
- SVOCs (TCL + Tentatively Identified Compounds [TICs]);
- Metals (TAL);
- pH, TDS, total suspended solids (TSS), chloride, sulfide, and MBAS (surfactants); and
- Total coliform and fecal coliform.

Groundwater samples were compared to their applicable MCLs and SHS R-U MSCs. All values were below their respective standards. A second round of groundwater samples was collected on June 3, 2010. Note that total and fecal coliform levels were present above the Maximum Contaminant Level Goal (MCLG) of zero; however, insufficient samples were collected to allow direct comparison to the MCL criteria of no more than 5.0% samples total coliform-positive in a month. In addition, the groundwater levels were measured at the monitoring wells and surrounding shallow hand dug wells and surface water features (i.e., ponds) and a potentiometric surface was contoured for the initial and subsequent groundwater sampling events. Based on the observed water levels, the groundwater potentiometric surface generally follows the topographical surface with the potentiometric surface trending to the east, southeast, and south across the well pad; however, predominant fractures in bedrock in the area trend W 80 E (almost west-east) and are expected to be the primary groundwater flow pathways in the subsurface.

The extent of the impact from the reserve pit materials released was determined and a remedial action implemented. A subsurface investigation and sample collection was conducted near the reserve pit on the well pad to help formulate the CSM. Two phases of remediation of soil were conducted over the time period from April 30, 2010 to May 27, 2010 to remove impacts from the reserve pit to the surrounding soils. Approximately 1,500 yds<sup>3</sup> of drilling material and potentially impacted soil has been removed from the pit and surrounding

soils. Additionally, water was evacuated from the shallow hand dug well on Mr. [REDACTED] property following the black water occurrence and seepage water has been removed from sumps along SR29 continuously since the occurrence on March 21, 2010. More than 1 million gallons of potentially impacted surface and groundwater has been recovered from the pit, shallow hand dug wells, and sumps along SR29 and properly disposed.

URS compared the levels of constituents found in the reserve pit with those in the ground water and downgradient locations to evaluate the potential for impact. Based on a comparison of the constituents present in the reserve pit to the constituents present in downgradient sample locations, the chemistry of the downgradient samples is significantly different than that observed in the samples from the reserve pit. As the groundwater aquifer is comprised of fractured bedrock, it is not expected that groundwater chemistry would change appreciably due to subsurface flow. As such, consistent with the CSM, it is not believed that the black water occurrence is the result of materials present in the reserve pit.

Once all documentation was assembled and evaluated, this Remedial Investigation/Site Characterization and Final Report was compiled to document Wellsite activities, Wellsite conditions, demonstrate attainment with the SHS R-U MSCs for all COPCs associated with the mud release, and request Relief From Further Remediation Liability Protection (ROL) from the PADEP for GDS, Cabot, the landowners [REDACTED] and [REDACTED] [REDACTED] and [REDACTED] and [REDACTED] and all subsequent owners and operators of the remediated area in accordance with Pennsylvania's Land Recycling Act (Act 2) and with the regulatory requirements of 25 PA Code Chapter 250.



## 2.0 SITE DESCRIPTION

### 2.1 LOCATION

The [REDACTED] 2H/4H Wellsite is part of an approximately 5.1 acre parcel constructed on a topographically elevated area adjacent to SR29 to the east and SR3010 to the south in Dimock Township, Susquehanna County, Pennsylvania (**Figure 1**). The land is currently owned by [REDACTED], [REDACTED], [REDACTED], [REDACTED], and is leased by Cabot to explore for and produce natural gas (**Figure 1**).

The Wellsite (**Figures 1 and 2**) was constructed according to an approved E&S Control Plan prepared August 2009 and as revised October 9, 2009. The Wellsite is bounded to the east and west by wooded areas, a rock quarry to the north, and farmland to the south. The well pad is bounded by a berm along its perimeter to prevent the uncontrolled release of materials from the Site. Water in the area drains to the east towards an unnamed tributary of Burdick Creek, a tributary that flows to Meshoppen Creek that is designated as a CWF. To the west and south of the Wellsite, surface water drains to a low lying pond across SR 3010. This pond drains to Stevens Creek that also flows to Meshoppen Creek.

### 2.2 SITE HISTORY

Cabot operates the leased Wellsite that is a portion of a larger tract that consists of approximately 16,300 acres and is leased from [REDACTED] and [REDACTED] to explore for and produce natural gas (**Figure 1**). The area was formerly used for agricultural purposes.

The reserve pit on the Wellsite consists of an approximately 320 ft by 37 ft area to a depth of approximately 13 ft along the northern portion of the well pad. The black water occurrence was initially identified in a shallow hand dug well on Mr. [REDACTED] property to the northeast that is topographically downhill from the Wellsite and subsequently in the shallow hand dug well on the property owned by Ms. [REDACTED] that is across SR29 and to the southeast of the Wellsite (**Figure 2**). The extent of the black water occurrence downgradient of the hand dug well on the property owned by Mr. [REDACTED] extended across (east of) SR29 into an open field owned by [REDACTED] and [REDACTED] (**Figure 2**).

### **3.0 GEOLOGIC AND HYDROGEOLOGIC SETTING**

#### **3.1 SITE SOILS/SURFICIAL GEOLOGY**

The soils underlying the Wellsite well pad belong to the Mardin Channery silt loam. The annual precipitation is on the average of 30 to 45 inches, while the average air temperature ranges from 45 to 50 degrees Fahrenheit. The frost-free period ranges from 110 to 150 days.

Slopes are generally 8 to 15 percent. This component is on hills. The parent material consists of reddish ablation till derived from sandstone and siltstone. Depth to a root restrictive layer, fragipan, is typically 14 to 26 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is very low to moderately high. Available water to a depth of 2.9 inches is very low. Average depth to water is about 11 to 22 inches. There is no frequency of flooding or ponding. This soil does not meet hydric criteria.

The surficial deposit at the Wellsite is comprised of Wisconsin-Age glacial till. The till rests unconformably atop the Upper Devonian Catskill Formation bedrock. The till is a red to brown, poorly sorted unit consisting of clay to boulder sized particles. Highly eroded glacial erratics and relatively unweathered local sandstone bedrock are incorporated in the predominantly fine-grained matrix. According to Braun (2006), these deposits occur with thicknesses of 30 to over 100 feet in the vicinity of the Site, with the thickest deposits located at the base of pre-glacial slopes. Braun (2006) reports a till thickness of over 100 feet immediately west of the unnamed tributary to White Creek, due west (and in the downhill direction) of the Site.

#### **3.2 SURFACE WATER**

An unnamed tributary of Burdick Creek receives surface water runoff from the vicinity of the Wellsite. Burdick Creek is a tributary that flows to Meshoppen Creek that is designated as a CWF. To the south and west of the Wellsite, surface water drains to a low lying pond across SR 3010. This pond drains to Stevens Creek that also flows to Meshoppen Creek.

### 3.3 REGIONAL GEOLOGY

The Site is located at approximately 1,540 ft above mean sea level (amsl) in the **Glaciated Low Plateau Section of the Appalachian Plateaus Province** physiographic province. The Glaciated Low Plateau Section includes an area of diversified topography in northeastern Pennsylvania. The topography consists of rounded hills and broad to narrow valleys all of which have been modified by glacial erosion and deposition. Swamps and peat bogs are common in the area. The area reflects the interplay between bedrock of various types, mainly sandstones and siltstones, and glacial erosion and deposition. The more erosion-resistant rocks form the hills, while the less erosion-resistant rocks occur in the valleys. Glacial deposits, mainly glacial till or sand and gravel, may occur anywhere, but are found mainly in the valley bottoms and margins (Sevon, 2000).

### 3.4 REGIONAL HYDROGEOLOGY

The local hydrogeology at the Site is typical of the regional hydrogeology of the Low Glaciated Section of the Appalachian Plateau Physiographic Province (Socolow, 1980). The uppermost aquifer is typically unconfined and within unconsolidated glacial till and upper portions of fractured bedrock (present in fractures). The till in this area is typically more discontinuous than in the northwestern portion of the state. Some of these soils have a fragipan at shallow depth and therefore are somewhat poorly drained. The surface texture of these soils is predominantly silt loam. The landscape is undulating and the erosion potential is low to moderate. Rock fragments are common in the soils of this area. Some of the soils have very low root zone available water-holding capacity due to their limited rooting depth. The growing season is short due to the elevation and northern latitude.

#### 4.0 SELECTION OF CONSTITUENTS OF POTENTIAL CONCERN AND SELECTION OF REMEDIATION STANDARDS

Based on the observed release of drilling mud and the results of the site characterization/remedial investigation, site media (soil, groundwater, and surface water) at the Wellsite were evaluated as follows;

##### **Soil:**

- TCL VOCs and VOCs potentially present in the drilling residuals (n-propylbenzene, n-butylbenzene, 4-isopropyltoluene, sec-butylbenzene, and isopropylbenzene);
- TCL SVOCs;
- surfactants (as MBAS) and chloride; and
- TAL Metals.

##### **Groundwater and Surface Water:**

- TCL VOCs and VOCs potentially present in the drilling residuals (n-propylbenzene, n-butylbenzene, 4-isopropyltoluene, sec-butylbenzene, and isopropylbenzene);
- TCL SVOCs;
- Total and dissolved TAL Metals; and
- Total suspended solids (TSS), total dissolved solids (TDS), sulfide, chloride, surfactants (as MBAS), pH, and total and fecal coliform.

Additionally, the following parameters were collected at certain locations to allow a better understanding of site conditions: acidity, alkalinity, nitrogen (ammonia); ethylene glycol, TPH, oil and grease, and fecal strep.

The following regulated compounds under Act 2 were detected at the Wellsite and are considered COPCs, except as noted below (TGM, 2002):

##### **Soil:**

- **VOCs:** n-butylbenzene, sec-butylbenzene, ethylbenzene, isopropylbenzene (cumene), p-isopropyltoluene, naphthalene, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes;

- **SVOCs:** none;
- **Metals:** aluminum, antimony, arsenic, barium, beryllium, boron, calcium, chromium, cobalt, copper, iron, lead, magnesium, molybdenum, nickel, potassium, silver, vanadium, and zinc; and
- **Nitrogen (as ammonia).**

**Groundwater and Surface Water:**

- **VOCs:** bromomethane;
- **SVOCs:** none;
- **Metals:** aluminum, antimony, arsenic, barium, boron, calcium, chromium, copper, iron, lead, magnesium, molybdenum, nickel, potassium, sodium, vanadium, zinc; and
- **Chloride.**

Acetone, 2-butanone (MEK), carbon disulfide, and bis(2-ethylhexyl)phthalate, while detected in certain samples, are considered to be laboratory contaminants, and, therefore, not COPCs. In addition, although manganese and thallium were detected in surface water and/or groundwater samples, they are not considered to be COPCs because of their low concentration in the reserve pit materials. Surfactants and chloride do not have MSCs for soils under Act 2.

The selected remediation standard for demonstration of attainment for both groundwater and soil is the SHS R-U MSCs, as specified in 25 PA Code Chapter 250 for all COPCs.

## 5.0 SITE CHARACTERIZATION/REMEDIAL INVESTIGATION, SITE REMEDIATION AND CONFIRMATIONAL SAMPLING

On Sunday March 21, 2010 an initial observance of black water was reported to Cabot by one of the adjacent landowners, Mr. [REDACTED] [REDACTED] whose property is to the northeast of the Site. Cabot subsequently reported the occurrence to the PADEP. Initial response was performed that day (Sunday March 21, 2010) by Cabot and URS documenting the presence of the black water at the shallow hand dug well located on Mr. [REDACTED] [REDACTED] property adjacent to State Route 29 (SR 29) (**Figure 2**) and emanating from a groundwater seep downgradient of this well to the drainage swale on the west side of SR 29. Photos are provided in **Appendix B**. The swale is intercepted by a culvert present underneath SR 29 at the intersection of SR 29 and the access road to the well pad that discharges to an open field on the east side of the road. The field grades topographically to the east towards an un-named tributary to Burdick Creek that flows south to Meshoppen Creek, which is designated as a CWF.

### Initial Response Activities

Initial response activities were conducted by GDS involving removal of water from the shallow hand dug well on Mr. [REDACTED] [REDACTED] property with a vac truck and then constructing shallow sumps within the drainage swale along SR29 to intercept and prevent surface water migration to the drainage culvert. A vac truck was set up to continuously remove water collected in the shallow sumps. An inspection of the surrounding hillside between the well pad and SR 29 was conducted and no additional groundwater seeps or evidence of black water were identified in this area. A groundwater seep does discharge to a drainage swale adjacent to the well pad Site access road, flowing through a culvert under the [REDACTED] barn adjacent to the property owned by Mr. [REDACTED] [REDACTED] and eventually discharging to the drainage swale along SR 29. No visible black water or sediment was identified in this groundwater seep. Additionally, as a precaution, GDS mobilized vac trucks to remove standing water from the 2H and 4H well cellars and the adjacent reserve pit located on the northern portion of the well pad to evaluate the condition/integrity of the pit liner. No holes or tears were observed from the portion of the pit liner between the highest water level mark and the remaining level of the water observed in the pit during the initial investigation. Photographs of initial conditions and response activities are presented in **Appendix B**.

On Monday March 22, 2010 inspections were conducted by PADEP and URS of the reserve pit on the well pad and in the vicinity of the Wellsite. Black water was observed in the shallow hand dug well located on Ms. [REDACTED] [REDACTED] property located to the south and east of the Site (**Figure 2**) and at an adjacent surface groundwater seep. The surface groundwater seep discharged both to the adjacent pond owned by Mr. [REDACTED] [REDACTED] and a marshy area further to the north. A temporary earthen dam was installed by Mr. [REDACTED] [REDACTED] and Mr. [REDACTED] [REDACTED] to prevent migration of the groundwater seep to the pond. Additionally, GDS installed two erosion eels perpendicular to the groundwater seep flow to prevent the migration of sediments to the marshy area. Due to prior impact, the shallow hand dug well is not used by Ms. [REDACTED] [REDACTED] for drinking water purposes. Drinking water is provided as bottled water and other non-potable water is supplied by a poly tank "buffalo" located in her basement. Photographs are presented in **Appendix B**.

On Tuesday March 23, 2010, URS completed an inspection of the wooded areas to the west of the Wellsite and the adjacent property to the south owned by Mr. [REDACTED]. No visible signs of black water or sediment were identified. A groundwater seep was identified discharging to the drainage swale along SR 3010 to the southwest of the Site. This groundwater seep was free of any visible black water or sediment and visual inspection of the drainage culverts on the south side of SR 3010 (draining to a pond further to the south) likewise did not exhibit any black water or sediment.

URS proceeded to collect water and sediment samples at the following locations to evaluate for the potential source of the black water/black sediment as follows (note that sampling locations where a split was performed with PADEP are indicated with a "\*\*"):

Tuesday (3/23/10):

Sample 1\* – [REDACTED] 2H Reserve Pit (water);

Sample 2 – [REDACTED] 2H Reserve Pit (solids);

Sample 3\* – Ms. [REDACTED] [REDACTED] surface water sump/shallow hand dug well (residential use);

Sample 4\* – Mr. [REDACTED] hand pump sump/shallow hand dug well;

Sample 5 – Mr. [REDACTED] tap water;

Sample 6 – Mr. [REDACTED] [REDACTED] residential water (before the in-line filter – reported to be ~170 feet deep with 40 feet of casing);

Sample 7 – Mr. [REDACTED] [REDACTED] shallow hand dug well.

Wednesday (3/24/10):

Sample 8 – Sump installed near SR 29/access road to the Wellsite (water);

Sample 9 – Sump installed near SR 29/access road to the Wellsite (sediment);

Sample 10 – Surface sediment between Mr. [REDACTED] [REDACTED] shallow hand dug well and the groundwater seep discharge to the southernmost sump on his property;

Sample 11 – Groundwater seep on Mr. [REDACTED] [REDACTED] property discharging to the southernmost sump;

Sample 12 – Water source (within barn) on the [REDACTED] [REDACTED] property (reported to be ~325 feet deep with a casing of 20 feet);

Sample 13 – Pressure tank at the residence of Ms. [REDACTED] [REDACTED] [reported to contain water pumped from the shallow well to the residence on Sunday (3/21/10) when black water was first observed in the area];

Thursday (3/25/10)

Sample 14 – Stream receiving drainage from the field that receives drainage from SR 29 culvert (water – upgradient of receiving point);

Sample 15 – Stream receiving drainage from the field that receives drainage from SR 29 culvert (sediment – upgradient of receiving point);

Sample 16 – Stream receiving drainage from the field that receives drainage from SR 29 culvert (water – downgradient of receiving point);

Sample 17 – Stream receiving drainage from the field that receives drainage from SR 29 culvert (sediment – downgradient of receiving point).

Sample 18 – Sediment sample from drainage area in the field between culvert on east side of SR29 and the stream (sediment)

Sample 19 – Outfall from culvert on east side of SR 29 that drains swale on west side of SR 29 that was reported to contain black water on 3/21/10 (water)



- Sample 20 – Outfall from culvert on east side of SR 29 that drains swale on west side of SR 29 that was reported to contain black water on 3/21/10 (sediment);
- Sample 21 – Groundwater seep in Ms. [REDACTED] [REDACTED] field (sediment diversions installed) (water); and
- Sample 22 – Groundwater seep in Ms. [REDACTED] [REDACTED] field (sediment diversions installed) (sediment).

A sample location map showing these locations is presented as **Figure 2**. Photographs of the sampled locations are presented in **Appendix B**. Note that PADEP collected a sample from Mr. [REDACTED] [REDACTED] shallow hand dug well earlier in the day on March 23, 2010 prior to meeting with URS.

Samples were analyzed for:

**Water:**

- TCL VOC + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and p-isopropyltoluene;
- TAL Metals;
- pH, total dissolved solids (TDS), total suspended solids (TSS), chloride, sulfide, and MBAS (surfactants); and
- Total coliform and fecal coliform.

**Soil/sediment samples:**

- TCL VOCs + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and p-isopropyltoluene;
- TAL Metals; and
- Chloride, sulfide, and MBAS (on the ASTM leachate).

**Initial Data Evaluation**

Analytical results for samples of surface waters, samples from the shallow hand dug wells, samples from the deep drinking water wells, and samples of off-site soil are summarized in

**Table 1, Table 2, Table 3, and Table 4, respectively.** Analytical laboratory reports are presented in **Appendix C.**

On April 9, 2010, URS provided a letter report to PADEP describing the findings of the initial sampling. The following discussion summarizes the results.

### **Aqueous Samples**

Prior to drilling of the [REDACTED] 2H/4H wells, on April 19, 2009, Cabot conducted baseline sampling of the Mr. [REDACTED] [REDACTED] Mr. [REDACTED] [REDACTED] Mr. [REDACTED] [REDACTED] and Ms. [REDACTED] [REDACTED] drinking water wells. Additional sample rounds were conducted at Mr. [REDACTED] [REDACTED] well on October 27, 2009 and at Ms. [REDACTED] [REDACTED] well on December 22, 2009. These results have been incorporated for reference/comparison in **Table 2** and **Table 3.**

The sample of waster from the reserve pit exceeded indicated standards for certain metals, TDS, chloride, and pH. Total coliform and fecal coliform levels were elevated.

The deep wells that are currently used for drinking water (samples [REDACTED]-05, [REDACTED]06, and [REDACTED]12) meet the applicable Federal MCLs and PADEP SHS R-U MSCs (**Table 3**). Additionally, comparison of the drinking water samples from the Mr. [REDACTED] [REDACTED] Mr. [REDACTED] [REDACTED] and Mr. [REDACTED] [REDACTED] wells indicate that no significant change in water quality has occurred in the interim or as a consequence of the black water. A comparison of the water collected at the pressure tank from the Ms. [REDACTED] [REDACTED] residence shows the potential for impact vs. baseline conditions. However, with a previous impact having occurred (indicated by a 12/22/09 analysis) that resulted in her use of bottled water, it is difficult to ascertain the true impact (if any) from the black water.

Downgradient shallow hand dug well samples (Mr. [REDACTED] [REDACTED] and Ms. [REDACTED] [REDACTED] – **Table 2**) only exhibited elevated levels of total coliform and fecal coliform (and pH slightly below the MSC of 6.5 S.U. at [REDACTED]04). The water in the pressure tank [REDACTED]2H-13) that is connected to the shallow hand dug well also exhibited an elevated level for dissolved lead (not collected during the baseline rounds) above the MCL. Consequently, the sample collected directly from the well [REDACTED]-03) does not correlate to the water in the pressure tank. This may be due in part to the timing of the sample collection (URS did not become aware of

the water present in the tank until the following afternoon after the shallow well sample was collected), but the presence of high levels of total and fecal coliform in the shallow hand dug well that are absent in the tank indicate a significant difference.

The samples collected from the two sumps along SR 29 and the culvert on the east side of SR 29 had elevated levels of total coliform (**Table 1**). The upgradient sump location also had elevated levels of fecal coliform while the culvert sample had elevated levels of fecal coliform and exceeded applicable standards for TDS and chloride. The differences between the upgradient and downgradient sumps appear to be influenced by the current/historic runoff in the drainage swale (the upgradient sump was specific to a groundwater seep downgradient of Mr. [REDACTED] shallow hand dug well while the downgradient sump represented a combination of flows into the drainage swale). Additionally, at the time of the sample collection in the culvert, flow to the culvert from the west side of the street had been intercepted by the vac truck and no flow was apparent entering the west side of the culvert. Consequently, flow out of the culvert on the east side indicates contributions from other sources.

The samples collected from the up and downgradient stream locations indicate that the unnamed stream flowing to Burdick Creek was not impacted with the up and downstream sample locations being nearly identical for all parameters. The only standards exceeded were for total and fecal coliform at both locations, likely due to the historic nature of the pasture that drains towards this feature.

### Soil Samples

Off-site soil analytical results are summarized in **Table 4**. The sediment/soil sample results were compared to their respective SHS R-U MSCs via the soil to groundwater pathway (25 PA Code Chapter 250). All sample results with the exceptions of those for arsenic in the reserve mud pit sample ([REDACTED]-02), the upgradient sump ([REDACTED]2H-10), and groundwater seep downgradient of the Ms. [REDACTED] shallow well ([REDACTED]2H-22) were below their respective SHS R-U MSCs. Background concentrations of arsenic in the area are elevated having concentrations as high as 59 mg/Kg, as documented elsewhere (URS, 2010).

## Summary and Conclusions

The analytical results for samples of the drinking water from the Mr. [REDACTED] [REDACTED] Mr. [REDACTED] [REDACTED] and Mr. [REDACTED] [REDACTED] residences show compliance with the applicable MCLs/MSCs. Additionally, comparison of the drinking water samples from the Mr. [REDACTED] [REDACTED] Mr. [REDACTED] [REDACTED] and Mr. [REDACTED] [REDACTED] wells indicate that no significant change in water quality has occurred in the interim or as a consequence of the occurrence of the black water. A comparison of the water collected at the pressure tank from the Ms. [REDACTED] [REDACTED] residence shows the potential for impact vs. baseline conditions. However, with a previous impact having occurred (indicated by a 12/22/09 analysis) that resulted in her use of bottled water for potable water supply and a water buffalo in the basement for other water needs), it will be difficult to ascertain the true impact (if any) from the black water.

Additionally, the initial sampling activities conducted following the occurrence of the black water indicate the following:

- No change (from baseline conditions) in Mr. [REDACTED] [REDACTED] Mr. [REDACTED] [REDACTED] and Mr. [REDACTED] [REDACTED] wells that correlate with the reserve pit chemistry;
- Mr. [REDACTED] [REDACTED] water has high copper; however, copper is not present in these levels in the reserve pit;
- Mr. [REDACTED] [REDACTED] shallow well has low pH; the reserve pit has high pH;
- Ms. [REDACTED] [REDACTED] shallow well does not correlate with reserve pit chemistry. She was previously put on supplied water (12/22/09) due to other problems;
- Although Ms. [REDACTED] [REDACTED] pressure tank sample (unknown date of filling of the pressure tank; reported to be 3/21/10) has high lead as does the reserve pit, other parameters in the dissolved fraction do not correlate well with the reserve pit chemistry – it should be noted that lead was not detected at the reporting limit (ND<2.0 ug/L) for the sample of Ms. [REDACTED] [REDACTED] shallow well collected on 3/23/10 (the source for Ms. [REDACTED] [REDACTED] pressure tank water);
- Likewise, water samples collected from the sumps in the vicinity do not have chemistry that correlates with analytical results for samples of either water or solid samples collected and analyzed from the reserve pit; and
- With the historic use of the land topographically upgradient of the shallow wells being

used as livestock pastures, the total and fecal coliform data at these locations is suspect and cannot be satisfactorily used as a marker.

Overall, the analytical data did not indicate a good correlation between the reserve pit sample and the downgradient samples. Based on the sample results, there appeared to be very little correlation between the materials in the pit and the downgradient locations. As such, a conclusion was made that the black water occurrence was not the result of materials released from the pit.

### **Site Characterization and Remedial Activities**

On April 8, 2010 PADEP issued a Notice of Violation for alleged violations of the Clean Streams Law of Pennsylvania 35 P.S. §691.1 et. seq.; the Oil and Gas Act, 58 P.S. §601.101 et seq.; the Solid Waste Management Act, 35 P.S. §6018.101, et seq (**Appendix A**).

On April 29, 2010, the PADEP issued an Order (received May 3, 2010) directing Cabot to remove the materials from the Wellsite reserve pit and to perform site characterization related to the impact of the reserve pit on the surrounding area (**Appendix A**).

During the time period from April 30 – May 4, 2010, Cabot removed the residual fluids and drill cuttings from the reserve pit. The fluids were removed using vac trucks and super suckers and transported for treatment (**Appendix D**). The cuttings were removed using excavators and hand labor and loaded to roll-off boxes and disposed off site (**Appendix D**). Sampling of pit materials was conducted on May 1, 2010 during to their removal. The plastic liner and underlying geotextile at the reserve pit was removed to expose the subsurface soils under the liner (**Appendix B – Photographs**). Hay used to protect the geotextile and plastic liner from punctures was observed to be stained in several locations, with the darkest discoloration being observed at 6 locations at the bottom of the reserve pit, 2 locations along the northern wall of the pit, and 4 locations along the southern wall of the reserve pit.

An initial round of sampling of the pit base and walls was performed following removal of the liner and geotextile below the straw sub-base at 12 locations exhibiting the greatest visible staining on May 4, 2010 (**Figure 3 - Table 5**). Analytes collected included:

- TCL VOCs + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and p-isopropyltoluene;
- TCL SVOCs + TICs;
- TAL Metals; and
- Chloride and MBAS (on the ASTM leachate).

A Work Plan was prepared by URS with input from PADEP to fulfill the requirement of the Order and submitted to the PADEP on May 7, 2010. PADEP comments on the Work Plan were provided via e-mail on May 12, 2010. URS provided responses to the comments on May 13, 2010 on behalf of Cabot and the Work Plan was implemented. The PADEP-approved Work Plan included the following scope of activities:

- Characterization of the source material, namely the liquid and solids portion of the cuttings from the reserve pit;
- Characterization of subsurface materials immediately below the stained hay at the 12 most stained locations identified immediately after mud removal from the pit,
- Confirmational sampling after remediation of stained material from the base and the sides of the reserve pit;
- Characterization of groundwater, drinking water, surface water, and sediments in the vicinity of the wellsite; and
- Installation of bedrock monitoring wells on the well pad to evaluate water table potentiometric surface and groundwater quality in the immediate vicinity of the reserve pit.

Once the liner and geotextile was removed from the reserve pit, and the soil beneath the impacted hay was sampled, remediation of the impacted hay and soil was conducted. After implementation of remedial activities, the locations previously sampled were re-sampled on May 10, 2010 and, at the request of PADEP, a thirteenth sample was collected on May 13, 2010 (**Figure 4 - Table 5**). Following receipt of the confirmational sample analyses, two locations [REDACTED] 2H/4H-7R and [REDACTED] 2H/4H-12R from the base of the pit exceeded the SHS R-U MSC for arsenic.

Consequently, URS remobilized to the Wellsite on May 27, 2010 to conduct additional remediation and confirmational sampling in these areas. At the previously sampled location 7, about 1.5 cubic feet of soil was removed by hand from fractures in the bedrock at the base of the pit. After the additional remediation, this location was sampled ([REDACTED] 2H-CONF-7R2) to evaluate for arsenic concentration in the soil remaining at the location. The results show that residual material has an arsenic concentration of 2.0 mg/kg.

At the previously sampled location 12, about 1 cubic feet of soil was removed by hand from fractures in the bedrock at the base of the pit. After the additional remediation, this location was sampled ([REDACTED] 2H-CONF-12R2) to evaluate for arsenic concentration in the remaining soil at the location. The results show that residual material has an arsenic concentration of 1.3 mg/kg.

With this additional remediation, all 13 locations demonstrate that concentrations of all constituents of potential concern are below their respective SHS R-U MSCs and, therefore, demonstration of attainment with the SHS R-U MSCs has been accomplished (**Table 5**). All laboratory reports for samples analyzed are provided in **Appendix C**.

A request was made to allow final closure of the reserve pit on June 2, 2010, consistent with the Order. PADEP approved the initiation of final closure on June 4, 2010 and extended the final closure date to June 18, 2010.

A second round of sampling of off site soil, surface water, shallow hand dug wells, and deep drinking water wells at the locations surrounding the Wellsite (consistent with the initial sampling performed during March 23 through March 25, 2010, above) was conducted on May 6 and 7, 2010. Samples were analyzed for:

**Water:**

- TCL VOCs + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and p-isopropyltoluene;
- TAL Metals;
- pH, TDS, TSS, chloride, sulfide, and MBAS (surfactants); and

- Total coliform, fecal coliform, and fecal strep.

**Soil:**

- TCL VOCs + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and p-isopropyltoluene;
- TAL Metals; and
- Chloride, sulfide, and MBAS (on the ASTM leachate).

During the second round of sampling, the groundwater seep downgradient of the shallow well on Ms. [REDACTED] property did not have sufficient water for sampling, therefore, only a sediment sample could be collected. Additionally, while a sample was collected as a pit water sample on May 1, 2010, the high level of solids present necessitated laboratory analysis as a solid. Furthermore, in addition to the sediment collected from the area of overland flow between the shallow hand dug well on Mr. [REDACTED] property and the up-gradient sump; sediment was collected from the sump during this round. No overland flow was present between the shallow hand dug well and the sump during this event.

The results for the pit and soil samples were compared to their respective Act 2 Statewide Health Standard SHS R-U MSCs, or direct contact level MSC (whichever is more stringent) under 25 PA Code Chapter 250 (**Table 4**). Analytical results for samples from the deep drinking water wells and the shallow hand dug wells were compared to their applicable MCLs and SHS R-U MSCs (**Table 2** and **Table 3**). Additionally, groundwater seep and creek samples were compared to applicable surface water quality criteria per 25 PA Code Chapters 16 and 93 (**Table 1**).

A subsurface investigation was conducted in the vicinity of the reserve pit on the well pad to help formulate the CSM. As described in the approved Work Plan, an attempt was made to install four bedrock monitoring wells on the well pad to evaluate the water table potentiometric surface and groundwater quality in the immediate vicinity of the reserve pit. On May 17 through 20, 2010, three monitoring wells MW-1, MW-2, and MW-4 were installed (**Figure 2**) in the northwest, northeast and southwest corners of the well pad, respectively. Additionally, two soil borings were advanced to 100 ft-bgs in the southeast corner of the



wellpad in an attempt to intercept the water bearing unit in this area. The boreholes encountered only damp areas (no saturated fractures or layers). The boreholes were advanced to 100 ft. bgs and allowed to stay open overnight. No groundwater was present in the open borehole after being open overnight. As no groundwater was encountered, with the concurrence of PADEP, the borings were abandoned and no well was installed at this location. Following completion, wells were surveyed to allow groundwater levels to be measured to the nearest 0.01 foot mean sea level (ft-msl).

Boring logs and well completion diagrams are presented in **Appendix E**.

On May 20, 2010 following monitoring well development, an initial round of groundwater samples was collected from the three on-site groundwater monitoring wells and analyzed for the following parameters:

- TCL VOCs + n-butylbenzene, sec-butylbenzene, n-propylbenzene, and p-isopropyltoluene;
- TCL SVOCs + TICs;
- TAL Metals;
- pH, TDS, TSS, chloride, sulfide, and MBAS (surfactants); and
- Total coliform, fecal coliform, and fecal strep.

Additional parameters, including TPH, acidity, alkalinity, nitrogen (ammonia), ethylene glycol, and oil and grease were evaluated to allow a better understanding of site conditions. Analytical results for water samples were compared to their applicable Federal Drinking Water MCLs and SHS R-U MSCs (**Table 6**). All values were below their respective standards with the exception of bis(2-ethylhexyl)phthalate (a suspected laboratory contaminant) at MW-2. Total and fecal coliform and fecal strep were also present at these locations. A second round of groundwater samples was collected on June 3, 2010. Similarly, all sample results for regulated COPCs were below their respective SHS R-U MSCs. Note that for total coliform, levels were present above the MCLG of zero; however, insufficient samples were collected to allow direct comparison to the MCLG criteria of no

more than 5.0% samples total coliform-positive in a month. Analytical results for these samples are summarized in **Table 6**.

Groundwater levels were measured at the monitoring wells, surrounding hand dug wells, and surface water features (i.e., ponds) (**Table 7**). These data and data from the boring logs were used to develop cross sections depicting subsurface conditions and the Conceptual Site Model (**Section 6.0**). Locations of the cross sections developed are depicted in **Figure 5**. Cross section A - A' is presented in **Figure 6** and cross section B - B' is presented in **Figure 7**.

Water level data were used to construct a potentiometric surface that was contoured for the initial and subsequent groundwater sampling event. Based on the observed water levels, the groundwater potentiometric surface generally follows the topographical surface trending to the southeast across the well pad; however, flow is constrained to the west-east fracture system in shallow bedrock and, once groundwater enters the till material in the valley, flow becomes governed predominantly by the potentiometric surface. Groundwater eventually discharges at the observed springs, groundwater seeps, and surface water features, and is observed in the shallow hand dug wells. Note that the predominant bedrock fracture traces in this area are east to west and therefore the majority of groundwater flow would be expected to flow along these pathways until groundwater encounters till in the valleys. Groundwater elevation data is presented in **Table 7** and potentiometric surface maps for the May 20, 2010 and June 3, 2010 events are presented on **Figure 8** and **Figure 9**, respectively.

The extent of the impact from the reserve pit materials released was determined and a remedial design implemented.

Two phases of remediation of soil were conducted over the time period from April 30, 2010 to May 27, 2010 to remove impacts from the reserve pit to the surrounding soils. Approximately 1,500 yds<sup>3</sup> of potentially impacted drill cuttings and soil has been removed from the pit and surrounding soils. Additionally, water has been removed from the shallow hand dug well and sumps along SR29 continuously since the occurrence on March 21, 2010. More than 1 million gallons of potentially impacted surface and groundwater has been recovered from the reserve pit and sumps along SR29 and properly disposed.

To assist in the interpretation of analytical data, graphical star diagrams comparing the analytical results for selected constituents of the samples from the reserve pit and sample results for downgradient locations (including surface water, soils, shallow groundwater, and deep drinking water wells) were prepared to compare and interpret the results (**Figure 10A**, **Figure 10B**, and **Figure 10C**).

The shape of the polygon formed by plotting the analytical results presents a “fingerprint” characteristic of the sampled location. Samples having a common source will have a similar (if not identical) polygon fingerprint. For an upgradient and a downgradient sampled location having the same source of constituents, the fingerprint of the downgradient location may be modified by natural attenuation of selected constituents, based on their fate and transport during epigenetic dispersion; however, the general shape of the polygon fingerprint will be similar to its source.

**Figure 10A** illustrates the polygon fingerprints representing analytical results for selected metals, pH, and chloride in water samples collected over the time period from April 2009 (pre-drill analytical results) to March 25, 2010, and includes the time period of occurrence of black water downgradient of the Wellsite. The polygon fingerprint of water from the reserve pit on the Wellsite is indicated in the upper, left hand corner, with polygon fingerprints of sampled locations being illustrated in order of downgradient occurrence. The polygon fingerprints of downgradient sampled locations have no similarity to the polygon fingerprint of the sampled water in the reserve pit. The water from the reserve pit contains relatively higher vanadium, sodium, potassium, nickel, molybdenum, lead, iron, chromium, boron, arsenic, and antimony than do downgradient sources. If these locations were to be impacted by water from the reserve pit, constituents would first have to migrate primarily through fractures in the underlying bedrock and then through the till in the valley, where natural attenuation and retardation would be expected to be higher. Under these conditions, natural attenuation and retardation of constituents would be anticipated to be minimal, and the polygon fingerprints would be similar in shape to the polygon fingerprint of the sample from the reserve pit water. Therefore, reserve pit water has had little, if any, impact to downgradient groundwater. Any impacts to groundwater that may have occurred have attenuated and are *de minimis*.

**Figure 10B** illustrates the polygon fingerprints representing analytical results for selected metals and chloride in water samples collected in May 2010, representing the time period about 1½ months after the occurrence of black water downgradient of the Wellsite. The polygon fingerprint of water from the reserve pit on the Wellsite is indicated in the upper, left hand corner, with polygon fingerprints of sampled locations (second round of characterization sampling) being illustrated in order of downgradient occurrence. The polygon fingerprints of downgradient sampled locations have no similarity to the polygon fingerprint of the sampled water in the reserve pit. The water from the reserve pit contains relatively higher vanadium, potassium, nickel, chromium, barium, boron, arsenic, antimony, aluminum, and chloride than do downgradient sources. If these locations were to be impacted by water from the reserve pit, constituents would first have to migrate primarily through fractures in the underlying bedrock and then through the till in the valley, where natural attenuation and retardation would be expected to be higher. Under these conditions, natural attenuation and retardation of constituents would be anticipated to be minimal, and the polygon fingerprints would be similar in shape to the polygon fingerprint of the sample from the reserve pit water. Therefore, reserve pit water has had little, if any, impact to downgradient groundwater. Any impacts to groundwater that may have occurred have attenuated and are *de minimis*. The data demonstrate that at the time of the second round of sampling, all downgradient water (surface water, shallow groundwater from hand dug wells, and deep drinking water wells) meet all requirements for attainment of Act 2 SHS R-U MSCs and surface water quality criteria; and therefore, meet the requirements for Relief from Further Remediation Liability Protection under Act 2.

**Figure 10C** illustrates the polygon fingerprints representing analytical results for selected metals and pH in water samples from groundwater monitoring wells installed on the well pad collected on May 20, 2010 and June 3, 2010, representing the time period about 2 - 2½ months after the occurrence of black water downgradient of the Wellsite, after removal of all materials from the reserve pit, and after remediation of impacted hay and soils below the liner and geotextile of the reserve pit. The polygon fingerprint of water from the reserve pit on the Wellsite is indicated in the upper, left hand corner, with polygon fingerprints of sampled monitoring well locations (both first and second round of characterization sampling) being illustrated in order of downgradient occurrence. The polygon fingerprints of downgradient sampled locations have no similarity to the polygon fingerprint of the sampled water in the reserve pit. The water from the reserve pit contains relatively higher vanadium,

potassium, nickel, lead, iron, chromium, arsenic, antimony, aluminum, chloride, and a higher pH than do both upgradient and downgradient monitoring well samples. Groundwater samples from both the upgradient monitoring well (MW-1), the downgradient monitoring well (MW-2), and the downgradient/side gradient monitoring well (MW-4) are similar to one another (virtually identical) and contain higher concentrations of calcium and magnesium than did the water from the reserve pit. If these monitoring wells were to be impacted by water from the reserve pit, constituents would first have to migrate through fractures in the underlying bedrock and then through the till in the valley, where natural attenuation and retardation would be expected to be higher. Under these conditions, natural attenuation and retardation of constituents would be anticipated to be minimal, and the polygon fingerprints would be similar in shape to the polygon fingerprint of the sample from the reserve pit water. Therefore, reserve pit water has had little, if any, impact to groundwater in the vicinity of the reserve pit. Any impacts to groundwater that may have occurred have attenuated and are *de minimis*. The data demonstrate that all groundwater in the vicinity of the reserve pit meet all requirements for attainment of Act 2 SHS R-U MSCs and, therefore, meet the requirements for Relief from Further Remediation Liability Protection under Act 2.

## 6.0 CONCEPTUAL SITE MODEL AND FATE AND TRANSPORT ANALYSIS

Based on water table elevation data collected during Remedial Investigation/Site Characterization activities, the groundwater potentiometric surface generally follows the topographical surface trending to the south-southeast across the well pad; however, groundwater (and constituent transport) is constrained to the west-east fracture system in shallow bedrock. Only minor natural attenuation and constituent retardation is anticipated in during flow through the bedrock fracture system. Once groundwater enters the till material in the valley, flow becomes governed predominantly by the potentiometric surface and natural attenuation and retardation of constituents would be anticipated to be higher than that occurring in the bedrock fracture flow. Groundwater eventually discharges at springs, groundwater seeps, and surface water features. Groundwater is observed in the shallow hand dug wells in the vicinity of the Wellsite. Groundwater elevation data are presented in **Table 7** and potentiometric surface maps for the May 20, 2010 and June 3, 2010 events are presented on **Figure 8** and **Figure 9**, respectively.

If a release occurred from the reserve pit, the release of material from the reserve pit would have to migrate vertically 15 to 20 feet to groundwater below the pit (based on water levels observed in monitoring wells - **Figure 6**). The release would then migrate with groundwater flow along bedrock fractures (west to east in the vicinity of the reserve pit) where minimal attenuation and retardation is anticipated. When the release (in groundwater) begins to migrate through till in the valley below the elevated Wellsite, flow direction would be governed by the potentiometric surface and minor natural attenuation and retardation of constituents would be anticipated. The release (in groundwater) would then extend to downgradient exposure points (e.g. groundwater seeps and shallow hand dug wells).

Downgradient features from the Wellsite well pad and reserve pit include the shallow hand dug well on Mr. [REDACTED] property and shallow hand dug wells belonging to Ms. [REDACTED] and Mr. [REDACTED]. Other features downgradient of the wellpad include a groundwater seep to the southwest of the wellpad and a pond south of SR3010. A survey of the areas surrounding the wellpad did not indicate occurrence of black water except at Mr. [REDACTED] and Ms. [REDACTED] shallow, hand dug wells. The immediate discharge points from these features (i.e., the drainage swale along SR29, the drainage culvert and field east of SR29, and the groundwater seep downgradient of Ms. [REDACTED] shallow

well) also exhibited blackwater impact. However, the ultimate discharge point from Mr. [REDACTED] well is the tributary to Burdick Creek and no visible signs of impact were apparent in the stream. As discussed previously, an evaluation of the groundwater chemistry did not reveal any correlation between the materials present in the pit and the points sampled, including groundwater seeps, shallow groundwater in hand dug wells, and surface water occurrences.

Following the removal of the pit materials, the liner was evaluated revealing the presence of perforations or tears confined to predominantly the eastern and western extents of the pit as shown on **Figure 3**. Following the removal of the liner visible impact was observed in the straw and soils beneath the liner, predominantly in the areas where the perforations were present and along the sides in the vicinity where the discharge pipes from the well cellars entered the pit. These materials were removed as part of the remedial activities and no impacted materials remain in the subsurface following the final closure of the pit.

Potential impacts to groundwater beneath the well pad that flows to the shallow wells/groundwater seeps were not observed during the groundwater sampling events conducted at the well pad. Potential impacts either no longer exist due to natural attenuation of material released or were not present in the water bearing zone.

Deep drinking water wells in the vicinity of the Wellsite appear to be un-impacted by the black water occurrence. No observed differences were apparent between pre-black water occurrence analytical data and data collected post- black water occurrence during the site characterization activities. All values meet the SHS R-U MSCs and applicable drinking water standards.

The potential source materials have been removed and remaining impacts in the subsurface (if any) are *de minimis* and meet the requirements for demonstration of attainment with the SHS R-U MSC for both soils and groundwater in the vicinity of the reserve pit (**Section 9.0**). Material that may potentially have been released from the pit, if any, has been recovered in water during the continuous vac truck removal activities that have been performed. No additional black water occurrence has been observed since the initial appearance on March 21, 2010.

## 7.0 ECOLOGICAL SCREENING ASSESSMENT

In accordance with 25 PA Code §250.311 and the PADEP TGM (2002), an evaluation of potential impact to ecological receptors from Wellsite conditions was completed utilizing the Ecological Screening Process. No additional evaluation was conducted since the following criterion was met at the Wellsite:

- The area of soil having residual impacts is less than 2 acres and the area of sediments having residual impacts is less than 1,000 square feet. (25 PA Code §250.311(b)(2)).

Therefore, no additional evaluation is required.



## **8.0 SELECTION OF REMEDIATION STANDARDS**

Based on the findings of the Remedial Investigation/Site Characterization and remediation activities performed as described above, Cabot has elected to seek Relief From Further Remediation Liability Protection under Act 2 (25 PA Code Chapter 250) by demonstrating attainment of the SHS R-U MSCs for all COPCs for all media of concern.

## 9.0 ATTAINMENT DEMONSTRATION

This section presents the attainment demonstration of SHS R-U MSCs for all COPCs in potentially impacted media sampled and analyzed after completion of remediation.

### 9.1 SOIL

After two phases of remediation, approximately 1,500 yds<sup>3</sup> of drilling mud and subsurface soil was removed and properly disposed off-site. Twelve pre-remediation and 13 post remediation locations for confirmatory sampling of soil were selected with the concurrence of PADEP. Confirmational soil samples were collected from the base and sidewalls of the pit where staining was observed to be heaviest, in accordance with the sampling protocol approved by PADEP. The confirmational sampling (representing residual, in place material), meets the requirement of 12 samples as described under 25 Pa. Code Chapter 250.703(d)(2) when greater than 125 cubic yards (but less than 3,000-cubic yards) of soil is removed and complied with the sampling identified in the Work Plan approved by PADEP.

Based on confirmational soil sampling results for samples below the reserve pit on the well pad, soil impacts have been delineated both vertically and horizontally at the Wellsite. Soil sample results are provided on **Table 5**. All samples meet the SHS R-U MSCs for all COPCs.

Off-site soil samples were collected during the initial response and Remedial Investigation/Site Characterization activities from the area adjacent to the shallow hand dug well on Mr. [REDACTED] property, associated drainage features, the groundwater seep downgradient of the shallow hand dug well on Ms. [REDACTED] property, and up and downgradient stream points in the unnamed tributary to Burdick Creek. All COPCs meet their respective SHS R-U MSCs in the samples collected except for arsenic in the sediment collected between the shallow well and the upgradient sump, at the groundwater seep location downgradient of Ms. [REDACTED] shallow, hand dug well, and at both the up and downgradient stream locations at nearly identical concentrations (indicating that this is unrelated to the black water). Background concentrations of arsenic in the area are

elevated, having concentrations as high as 59 mg/Kg, as documented elsewhere (URS, 2010).

## 9.2 GROUNDWATER

As part of the Remedial Investigation/Site Characterization activities, three groundwater monitoring wells were installed on the wellpad in accordance with the approved Work Plan. Additionally, groundwater samples were collected from the groundwater monitoring wells, downgradient shallow hand dug wells, and downgradient deep drinking water wells during the initial response and Remedial Investigation/Site Characterization activities, in accordance with the approved Work Plan. As indicated in **Table 6**, two rounds of groundwater data were collected from the monitoring wells on May 20, 2010 and June 3, 2010. Additionally, two rounds of groundwater from the shallow, hand dug wells and deep drinking water wells were collected during the periods from March 23 through 25, 2010 and May 5 and 6, 2010. A third groundwater sample was also collected from the shallow hand dug well on Mr. [REDACTED] property during reserve pit material remedial activities on May 1, 2010.

As discussed above, the water from the reserve pit has a distinctly different chemistry than the samples from the groundwater monitoring wells in the vicinity of the former reserve pit, groundwater samples from the shallow, hand dug wells, and deep drinking water wells. Regardless, all COPCs for regulated constituents in groundwater were below the SHS R-U MSCs. Note that bis(2-ethylhexyl)phthalate was detected slightly above its SHS R-U MSC; however, as discussed above, this is a common laboratory contaminant and this constituent is not a COPC because this compound was not identified in the reserve pit material. Groundwater sample results are provided in **Table 2**, **Table 3**, and **Table 6**.

## 9.3 SURFACE WATER

Potentially impacted surface water in the area (i.e., the unnamed tributary to Burdick Creek) is not considered to be a medium of concern as no data suggest impacts to the tributary. However, during the initial response and site characterization activities, shallow, hand dug wells, associated drainage features, and up and downgradient stream points were sampled. The initial sampling round was conducted during the period from March 23 through 25, 2010. The second sampling round was conducted consistent with the initial event in accordance

with the approved Work Plan. All COPCs for regulated constituents were below the SHS R-U MSCs. Note that manganese was detected above its SHS R-U MSCs at the downgradient sump on Mr. [REDACTED] property, at the storm culvert east of SR29 and at the up-gradient stream location. Additionally, thallium was detected above the SHS R-U MSC (but below the laboratory RL) at Mr. [REDACTED] shallow, hand dug well. However, as discussed above, manganese was an order of magnitude lower in the reserve pit and thallium was not detected in the groundwater wells installed on the well pad (the RL for thallium in the original sampling event for the reserve pit was above the SHS R-U MSC). Other items:

- Lead was detected during the first sampling round at Ms. [REDACTED] pressure tank; however, lead was not detected at the reporting limit [ND (2.0) ug/L] for her shallow, hand dug well that supplies the pressure tank.
- TDS and chloride were above their MSCs at the storm culvert east of SR29; however, these data are likely influenced by roadway runoff.
- pH was below the MSC at the shallow, hand dug well on Mr. [REDACTED] property; however, since water from the reserve pit had a high pH, the low pH observed at Mr. [REDACTED] well is not a function of impact by fluid from the reserve pit (pH is not a COPC).

All concentrations were below their respective SHS R-U MSCs during the second round of Site Characterization sampling. Surface water sample results are provided in **Table 1**.

Reserve pit water exceeded the SHS R-U MSCs for aluminum, antimony, arsenic, barium, iron and lead, pH, TDS, and chloride (**Table 1**); however, this water was removed during the reserve pit closure activities and properly disposed and is not, therefore, a medium of concern.

#### 9.4 VAPOR INTRUSION

The potential effect of volatilization to indoor air quality (IAQ) was assessed using Pennsylvania's Vapor Intrusion into Buildings from Groundwater and Soil under Pennsylvania (PA) Act 2 Statewide Health Standard (SHS) Guidance (January 2004). Based on data obtained during confirmation sampling in the area of the former reserve pit and the off site areas sampled, concentrations of detected COPCs in soil and groundwater are below

the screening levels presented in **Table 4** (residential) of the Guidance (PADEP, 2004). As such, the soil meets the vapor intrusion screening criteria for residential standards and therefore, meets the attainment demonstration requirements for the SHS R-U MSCs.

#### **9.5 POST REMEDIATION CARE PLAN**

No Post Remediation Care is required to attain, nor maintain attainment with the SHS R-U MSCs.

## 10.0 ENVIRONMENTAL COVENANT

An Environmental Covenant is not required for this Site.

## 11.0 CONCLUSIONS

Cabot operates the leased Wellsite designated as A & M [REDACTED] 2H/A & M [REDACTED] 4H ([REDACTED] 2H/4H) in Dimock Township, Susquehanna County, Pennsylvania. The Wellsite is a portion of a larger tract that consists of approximately 16,300 acres and is leased from [REDACTED] to explore for and produce natural gas.

On Sunday, March 21, 2010, water containing suspended black particles (black water) was observed in the shallow hand dug well on Mr. [REDACTED] property along SR29 and at the shallow, hand dug well on Ms. [REDACTED] property further to the south, and also along SR29. Additionally, groundwater seeps downgradient from the Wellsite exhibited black water. In the vicinity of the shallow, hand dug well on Mr. [REDACTED] property, the black water extended along the drainage swale adjacent to SR29 and discharged from a drainage culvert on the east site of SR29 to an open field. At the location of the shallow hand dug well on Ms. [REDACTED] property, the black water extended to a groundwater seep adjacent to the pond on Mr. [REDACTED] property.

Cabot received an NOV from PADEP as a result of the black water occurrence and received an Order to perform removal of reserve pit materials and conduct site characterization and remediation to attain cleanup standards according to Act 2 requirements.

Two sampling rounds were conducted at groundwater seeps, shallow hand dug wells, and deep drinking water wells immediately downgradient of the Wellsite. All COPCs for regulated constituents were below the SHS R-U MSCs, except as follows:

- Manganese was detected above its SHS R-U MSCs at the downgradient sump on the Mr. [REDACTED] property, at the storm culvert east of SR29 and at the up-gradient stream location;
- Thallium was detected above the MSC (but below the laboratory RL) at the Mr. [REDACTED] shallow well;
- Lead was detected during the first sampling round at the Ms. [REDACTED] pressure tank;

- TDS and chloride were above their respective MSCs at the storm culvert east of SR29 (surface water);
- pH was below the MSC at the shallow hand dug well on the Mr. [REDACTED] [REDACTED] property.

However, manganese was an order of magnitude lower in the reserve pit and thallium was not detected in the groundwater wells installed on the well pad (the RL for thallium in the original sampling event for the reserve pit was above the SHS R-U MSC). All concentrations were below their respective SHS R-U MSCs during the second round of Remedial Investigation/Site Characterization sampling. As water from the reserve pit had a high pH, the low pH observed at the Mr. [REDACTED] [REDACTED] well is not a function of impact by fluid from the reserve pit; therefore, pH is not a COPC.

Reserve pit water exceeded the SHS R-U MSCs for aluminum, antimony, arsenic, barium, iron and lead, pH, TDS and chloride (**Table 1**); however, this water was removed during the reserve pit closure activities and properly disposed and is therefore not a medium of concern. Evaluation of the groundwater and surface water chemistry did not indicate a correlation between the materials in the reserve pit and the black water observed in the nearby hand dug wells, groundwater seeps, nor surface water locations. All deep drinking water wells were found to meet applicable drinking water standards. Water present in Ms. [REDACTED] [REDACTED] pressure tank contained lead; however, lead was not detected at the reporting limit [ND (2.0) ug/L – below the SHS R-U MSC] in the shallow hand dug well on the Ms. [REDACTED] [REDACTED] property that supplies water to the pressure tank. Due to a previous impact, she was receiving bottled water for potable use and maintained a water buffalo in the basement for other water needs.

During the period from April 30, 2010 through May 4, 2010 the reserve pit materials were removed and the liner cleaned. Approximately 1,500 yds<sup>3</sup> of drilling material and subsurface soil has been removed from the reserve pit and properly disposed. An inspection of the liner revealed a series of perforations primarily in the eastern and western ends. Following removal of the liner and underlying geotextile, staining of the underlying straw and subsurface soils was evident. Remediation of the stained hay and soils immediately below the stained hay was implemented and confirmational sampling demonstrated attainment with the SHS R-U MSCs for all regulated COPCs.



A subsurface investigation and sample collection was conducted near the reserve pit on the well pad to help formulate the Conceptual Site Model. Three monitoring wells were installed on the Wellsite to evaluate subsurface conditions. The borings on the well pad showed that subsurface materials generally consisted of between 8 to 18 ft of unconsolidated fill (well pad materials) and decomposed sandstone overlying fractured sandstone bedrock. The potentiometric groundwater surface showed that the potentiometric surface generally followed the overlying topography with groundwater flow anticipated to be controlled by fractures in bedrock in the area that trend west to east. These fractures are expected to be the primary flow pathways in the subsurface in the immediate vicinity of the reserve pit.

Two rounds of groundwater data were collected from the monitoring wells installed on the well pad in the immediate vicinity of the reserve pit. In both rounds of sampling, all groundwater results were below their respective SHS R-U MSCs for all regulated compounds with the exception of bis(2-ethylhexyl)phthalate at MW-2 during the May 20, 2010 event. However, as this compound was not present in the pit material samples and is a common laboratory contaminant, it is not a COPC for the Site.

Over 1 million gallons of potentially impacted groundwater were recovered from the two sumps installed within the drainage swale along SR29 since the initial discovery of the black water on March 21, 2010 and has captured groundwater emanating from the groundwater seep downgradient of the shallow hand dug well on Mr. [REDACTED] property. As a result, no further migration to the downgradient tributary to Burdick Creek has occurred since this time. Recovery continues to be conducted at the downgradient sump location pending PADEP approval to discontinue this activity.

Based on soil sampling results, soil impact associated with the reserve pit has been delineated both vertically and horizontally at the Wellsite. As shown by the sampling conducted at the monitoring wells, groundwater below the well pad is not impacted. Based on the evaluation of the chemistry of the downgradient shallow wells and groundwater seeps and consistent with the Site Conceptual Model, the black water occurrence in the shallow wells and groundwater seeps is not related to the materials that were present in the reserve pit. Based on the presence of coliform identified in the area (residual impacts from historic agricultural use), shallow wells, groundwater seeps and the water from the stream should not

be used as a drinking water source. All deep drinking water wells evaluated were free of coliform and met federal and state drinking water standards.

The selected remediation standard for demonstration of attainment is the SHS R-U MSCs for all COPCs as specified in 25 PA Code Chapter 250.

The following analytes were detected at the Wellsite and are considered to be COPCs:

**Soil:**

- **VOCs:** n-butylbenzene, sec-butylbenzene, ethylbenzene, isopropylbenzene (cumene), p-isopropyltoluene, naphthalene, n-propylbenzene, toluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, and total xylenes;
- **SVOCs:** none;
- **Metals:** aluminum, antimony, arsenic, barium, beryllium, boron, calcium, chromium, cobalt, copper, iron, lead, magnesium, molybdenum, nickel, potassium, silver, vanadium, and zinc.
- **Nitrogen (as ammonia).**

**Groundwater and Surface Water:**

- **VOCs:** bromomethane;
- **SVOCs:** none;
- **Metals:** aluminum, antimony, arsenic, barium, boron, calcium, chromium, copper, iron, lead, magnesium, molybdenum, nickel, potassium, sodium, vanadium, zinc; and
- **Chloride.**

Acetone, 2-butanone (MEK), carbon disulfide, and bis(2-ethylhexyl)phthalate, while detected in certain samples are considered to be laboratory contaminants, and, therefore not COPCs. In addition, although manganese and thallium were detected in surface and/or groundwater, they are not considered to be COPCs. Surfactants and chloride do not have MSCs under Act 2.

Cabot is requesting Relief from Further Remediation Liability Protection (ROL) for identified COPCs regulated under Act 2 for the drilling mud release from the PADEP for Cabot, GDS

(remediation contractor), the landowners [REDACTED] and [REDACTED] [REDACTED] and [REDACTED] and [REDACTED] and all subsequent owners and operators of the remediated area (**Figure 11**) in accordance with Pennsylvania's Land Recycling Act (Act 2) and with the regulatory requirements of 25 PA Code Chapter 250. Once PADEP has issued the ROL for this area the following reclamation activities will be conducted:

- Water recovery from the sump along SR 29 will be discontinued;
- The downgradient sump will be reclaimed and the function of the drainage swale along SR29 restored;
- Upon receipt of an ROL for soil and groundwater from the PADEP, Cabot will properly decommission the three monitoring wells installed on the well pad (MW-1, MW-2, and MW-4). The wells will be decommissioned according to *PADEP Land Recycling Program Technical Guidance Manual*, Section V, Attachment F dated June 2002 (as updated) and the *Groundwater Monitoring Guidance Manual*, Chapter 7 – Well Abandonment Procedures, Section 7.4 – Material and Methods, Subsection 7.4.2 – Sealants, dated December 1, 2001.

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## TABLES

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## TABLES

Donick Township, Susquehanna County, PA

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Dimock Township, Susquehanna County, PA

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Dimock Township, Susquehanna County, PA

Notes:

- ND (5%) = Parameter not detected at the detection limit specified in parentheses
- Un-named tributary to Burdick
- Two numbers to count
- Not Standard
- Statewide Health Standard residential, used aquifer (TDS <2500 mg/L; Medium)
- Values from 25 PA Code Chapter 33.8, Table 5, values assume a pH of 6.5 (5.0)
- Values for bacteria (coliform), chlorine, TDS, pH, manganese and iron from 25 PA Code Chapter 33.8, Table 5
- << Not Available/Not Analyzed
- As Total species
- Maximum as a geometric mean based on a minimum of five consecutive samples
- Results for dissolved bromine evaluated down to insubstant detection limit (IDL)
- Samples with values between IDL and MDL were analyzed for more sensitive

Parameter	Value	Notes
Chlorine	0.23	Results exceed SD-R-U-M-IC
Iron	0.03	Results exceed applicable state aquifer criteria

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[illegible]

Table 3  
Analytical Results  
Deep Drinking Water Well Sample Summary

All Sampling Rounds  
Push Wellsite

Dimock Township  
Susquehanna County, PA

Location	UNITG	Deep Drinking Water Wells										Water MSCs		
		Reserve Pit Water	Tap Water					Tap Water					Drinking Water Standard	Residential Used Aquifer TDS 52500
Sample ID		01			05	06		06	06		12	06		
Sample Date		3/23/2010	4/19/2009	10/27/2009	3/23/2010	5/7/2010	4/19/2009	3/23/2010	5/7/2010	4/19/2009	3/23/2010	5/7/2010		
2010/4/17 Metals Analyses														
Aluminum, Total	ug/L	46,600	-	-	ND (100)	ND (100)	-	2,200	ND (100)	-	ND (100)	ND (100)	3	-
Antimony, Total	ug/L	61	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	-
Arsenic, Total	ug/L	130	-	-	ND (10)	ND (10)	-	6.7	ND (10)	-	ND (10)	ND (10)	-	-
Barium, Total	ug/L	8,700	-	-	85	72.5	-	180	101	-	100	106	-	-
Beryllium, Total	ug/L	4.0	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	-
Boron, Total	ug/L	190	-	-	ND (100)	ND (100)	-	ND (100)	ND (100)	-	ND (100)	ND (100)	-	-
Cadmium, Total	ug/L	4.7	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	-
Calcium, Total	ug/L	72200	-	-	28,400	25,300	-	28,000	27,000	-	32,300	29,400	-	-
Chromium, Total	ug/L	140	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	-
Cobalt, Total	ug/L	40	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	-
Copper, Total	ug/L	310	-	-	500	259	-	130	46.6	-	14	ND (10)	-	-
Iron, Total	ug/L	65,800	-	-	ND (100)	ND (100)	-	4,900	ND (100)	-	ND (100)	ND (100)	-	-
Lead, Total	ug/L	1,300	-	-	ND (100)	2.0	-	7.1	ND (100)	-	ND (100)	ND (100)	-	-
Magnesium, Total	ug/L	10000	-	-	7,500	6,700	-	7,900	7,370	-	8,500	8,090	-	-
Manganese, Total	ug/L	2,000	-	-	ND (10)	ND (10)	-	110	ND (10)	-	ND (100)	ND (100)	-	-
Molybdenum, Total	ug/L	280	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (100)	37.9	-	-
Nickel, Total	ug/L	180	-	-	ND (100)	ND (100)	-	ND (100)	ND (100)	-	ND (100)	ND (100)	-	-
Potassium, Total	ug/L	28,700	-	-	1,300	1,060	-	2,000	1,280	-	1,200	1,190	-	-
Selenium, Total	ug/L	6.6	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	-
Silver, Total	ug/L	2.5	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	-
Sodium, Total	ug/L	216,000	-	-	17,800	14,100	-	7,500	6,300	-	8,600	7,490	-	-
Thallium, Total	ug/L	ND (100)	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	-
Vanadium, Total	ug/L	200	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	-
Zinc, Total	ug/L	530	-	-	89	12.0	-	11	ND (10)	-	11	ND (10)	-	-
Mercury, Total	ug/L	2.5	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	-
2010/4/17 Metals Analyses														
Aluminum, Dissolved	ug/L	1,100	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	-	ND (100)	ND (100)	200	200
Antimony, Dissolved	ug/L	78	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	6	6
Arsenic, Dissolved	ug/L	81	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	-	ND (10)	ND (10)	10	10
Barium, Dissolved	ug/L	3,100	70	62	81	74.6	89	97	96.6	82	98	98.2	2,000	2,000
Beryllium, Dissolved	ug/L	ND (10)	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	4	4
Boron, Dissolved	ug/L	120	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	NS	600
Cadmium, Dissolved	ug/L	ND (10)	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	5	5
Calcium, Dissolved	ug/L	19,400	-	-	27,800	25,800	-	26,000	26,500	-	30,600	27,900	NS	NS
Chromium, Dissolved	ug/L	8.2	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	100	100
Cobalt, Dissolved	ug/L	ND (10)	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	NS	730
Copper, Dissolved	ug/L	12	-	-	530	247	-	15	48.0	-	ND (10)	ND (10)	1,100	1,000
Iron, Dissolved	ug/L	1,000	51	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	-	ND (100)	ND (100)	300	300
Lead, Dissolved	ug/L	49	-	-	ND (10)	2.4	-	ND (10)	3.4	-	ND (10)	2.9	15	5
Magnesium, Dissolved	ug/L	400	6,650	7,080	7,300	6,800	7,130	7,100	7,240	7,380	8,100	7,960	NS	NS
Manganese, Dissolved	ug/L	30	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	8.8	ND (10)	ND (10)	5.4	50	300
Molybdenum, Dissolved	ug/L	230	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	NS	NS
Nickel, Dissolved	ug/L	21	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	NS	100
Potassium, Dissolved	ug/L	17,100	-	-	1,200	1,070	-	1,300	1,290	-	1,200	1,110	NS	NS
Selenium, Dissolved	ug/L	ND (10)	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	50	50
Silver, Dissolved	ug/L	ND (10)	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	100	100
Sodium, Dissolved	ug/L	259000	-	-	16,600	14,100	-	7,600	6,510	-	8,400	7,100	NS	NS
Thallium, Dissolved <sup>11</sup>	ug/L	ND (10)	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	2	2
Vanadium, Dissolved	ug/L	45	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	NS	250
Zinc, Dissolved	ug/L	15	-	-	17	17.5	-	ND (10)	10.4	-	12	ND (10)	5,000	2,000
Mercury, Dissolved	ug/L	ND (10)	-	-	ND (10)	ND (10)	-	ND (10)	ND (10)	-	ND (10)	ND (10)	2	2

Table 3  
Analytical Results  
Deep Drinking Water Well Sample Summary

All Sampling Rounds  
Multi Wellsite

Dimock Township  
Susquehanna County, PA

Location	UNITS	Reserve Pit	Deep Drinking Water Wells												Water MSCs	
		Reserve Pit Water	Tap Water				Tap Water				Tap Water				MCL	MSC <sup>1</sup>
Sample I.D.		P1	05	05	05	06	06	06	06	12	12	12	12	12	Drinking Water Standard	Residential Used Aquifer TDS 2500
Sample Date		3/23/2010	4/19/2009	10/27/2009	3/23/2010	5/7/2010	4/19/2009	3/23/2010	5/7/2010	4/19/2009	3/24/2010	5/6/2010				
<b>VOCS (8/200)</b>																
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	200	200		
1,1,2,2-Tetrachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	0.3		
1,1,2-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	5		
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	27		
1,1-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	7	7		
1,2,4-Trichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	70	70		
1,2,4-Trimethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	16		
1,2-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	600	600		
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	5		
1,2-Dichloroethane (Total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	NS		
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	5		
1,3,5-Trimethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	16		
1,3-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	600		
1,4-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	75	75		
2-Butanone (MEK)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	2,500		
2-Hexanone	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	5		
4-Methyl-2-pentanone (MIBK)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	190		
Acetone	ug/L	32	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	3,700		
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	5		
Bromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	90		
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	80 <sup>1</sup>	80		
Bromofrom	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	80 <sup>1</sup>	80		
Bromomethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	10		
Carbon disulfide	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	1,900		
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	5		
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	100	100		
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	230		
Chloroform	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	80 <sup>1</sup>	80		
Chloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	3		
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	80 <sup>1</sup>	80		
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	700	700		
Isopropylbenzene (Cumene)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	1,100		
Methyl-tert-butyl ether	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	20		
Methylene Chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	5		
Naphthalene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	100		
Styrene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	100	100		
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	5		
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1000	1000		
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	5		
Vinyl Chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2	2		
Xylene (Total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	10,000	10,000		
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	70	70		
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	6.6		
m,p-Xylene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	10,000 <sup>10</sup>	10,000 <sup>10</sup>		
n-Butylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	1,500		
n-Propylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	1,500		
o-Xylene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	10,000 <sup>10</sup>	10,000 <sup>10</sup>		
p-Isopropyltoluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	NS		
sec-Butylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	1,500		
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	100	100		
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	5.8		



Table 3  
Analytical Results  
Deep Drinking Water Well Sample Summary

All Sampling Rounds  
[REDACTED] DW Well  
Dimock Township,  
Susquehanna County, PA

Location	UNITS	Reserve Pit	Deep Drinking Water Wells									Water MSCs	
		Reserve Pit Water	[REDACTED] Tap Water			[REDACTED] Tap Water			[REDACTED] Tap Water			MCL <sup>1</sup>	MS <sup>2</sup>
Sample ID		[REDACTED] P1	[REDACTED]	[REDACTED]	[REDACTED] DW	[REDACTED]	[REDACTED] DW	[REDACTED]	[REDACTED] DW	[REDACTED]	[REDACTED] DW	Drinking Water Standard	Residential Used Aquifer TDS 52500
Sample Date		3/23/2010	4/19/2009	10/27/2009	3/23/2010	5/7/2010	4/19/2009	3/23/2010	5/7/2010	4/19/2009	3/24/2010	5/6/2010	
<b>PAHs (82700, SIM)</b>													
Acenaphthene	ug/L											NS	2200
Acenaphthylene	ug/L											NS	2200
Anthracene	ug/L											NS	65
Benzo(a)anthracene	ug/L											NS	0.9
Benzo(a)pyrene	ug/L											0.2	0.2
Benzo(b)fluoranthene	ug/L											NS	0.9
Benzo(g,h,i)perylene	ug/L											NS	0.25
Benzo(k)fluoranthene	ug/L											NS	0.55
Chrysene	ug/L											NS	1.9
Dibenz(a,h)anthracene	ug/L											NS	0.09
Fluoranthene	ug/L											NS	250
Fluorene	ug/L											NS	1500
Indeno(1,2,3-cd)pyrene	ug/L											NS	0.9
Naphthalene	ug/L											NS	100
Phenanthrene	ug/L											NS	1100
Pyrene	ug/L											NS	130
<b>SVOCs (82700)</b>													
1,2,4-Trichlorobenzene	ug/L											70	70
1,2-Dichlorobenzene	ug/L											600	600
1,3-Dichlorobenzene	ug/L											NS	600
1,4-Dichlorobenzene	ug/L											75	75
1-Methylnaphthalene	ug/L											NS	NS
2,4,5-Trichlorophenol	ug/L											NS	3,700
2,4,6-Trichlorophenol	ug/L											NS	11
2,4-Dichlorophenol	ug/L											NS	20
2,4-Dimethylphenol	ug/L											NS	730
2,4-Dinitrophenol	ug/L											NS	19
2,4-Dinitrotoluene	ug/L											NS	2.1
2,6-Dinitrotoluene	ug/L											NS	37
2-Chloronaphthalene	ug/L											NS	2,900
2-Chlorophenol	ug/L											NS	40
2-Methylnaphthalene	ug/L											NS	750
2-Methylphenol (o-Cresol)	ug/L											NS	1,800
2-Nitroaniline	ug/L											NS	2.1
2-Nitrophenol	ug/L											NS	290
3,4-Methylphenol(m-Cresol)	ug/L											NS	150
3,3'-Dichlorobenzidine	ug/L											NS	1.5
3-Nitroaniline	ug/L											NS	2.1
4,6-Dinitro-2-methylphenol	ug/L											NS	5
4-Bromophenylphenyl ether	ug/L											NS	5
4-Chloro-3-methylphenol	ug/L											NS	180
4-Chloroaniline	ug/L											NS	150
4-Chlorophenylphenyl ether	ug/L											NS	5
4-Nitroaniline	ug/L											NS	2.1
4-Nitrophenol	ug/L											NS	60

Table 3  
Analytical Results  
Deep Drinking Water Well Sample Summary

All Sampling Rounds  
26441 Wellsite

Dimock Township,  
Susquehanna County, PA

Location	UNITS	Reserve Pit	Deep Drinking Water Wells										Water MSCs	
		Reserve Pit Water	Tap Water			Tap Water			Tap Water				MCL <sup>L</sup>	MSGL <sup>R</sup>
Sample I.D.													Drinking Water Standard	Residential Use/Aquifer TDS 52500
Sample Date		3/23/2010	4/19/2009	10/27/2009	3/23/2010	5/17/2010	4/19/2009	3/23/2010	5/17/2010	4/19/2009	3/24/2010	5/18/2010		
SVOCs (8070C) continued														
Acenaphthene	ug/L												NS	2,200
Acenaphthylene	ug/L												NS	2,200
Anthracene	ug/L												NS	66
Azobenzene	ug/L												NS	NS
Benzo(a)anthracene	ug/L												NS	0.9
Benzo(a)pyrene	ug/L												0.2	0.2
Benzo(b)fluoranthene	ug/L												NS	0.9
Benzo(g,h,i)perylene	ug/L												NS	0.26
Benzo(k)fluoranthene	ug/L												NS	0.55
Benzoic acid	ug/L												NS	150,000
Benzyl alcohol	ug/L												NS	11,000
bis(2-Chloroethoxy)methane	ug/L												NS	9
bis(2-Chloroethoxy) ether	ug/L												NS	0.13
bis(2-Ethoxypropoxy) ether	ug/L												NS	300
bis(2-Ethylhexyloxy)phthalate	ug/L												6	6
Buylbenzophthalate	ug/L												NS	2,700
Carbazole	ug/L												NS	33
Chrysene	ug/L												NS	1.9
Dibenz(a,h)anthracene	ug/L												NS	0.09
Dibenzofuran	ug/L												NS	5
Diethylphthalate	ug/L												NS	5,000
Dimethylphthalate	ug/L												NS	5
Di-n-butylphthalate	ug/L												NS	3,700
Di-n-octylphthalate	ug/L												NS	NS
Fluoranthene	ug/L												NS	260
Isophorene	ug/L												NS	1,500
Hexachloro-1,3-butadiene	ug/L												NS	1
Hexachlorobenzene	ug/L												1	1
Hexachlorocyclopentadiene	ug/L												50	50
Hexachlorophene	ug/L												NS	1
Indeno(1,2,3-cd)pyrene	ug/L												NS	0.9
Isophorene	ug/L												NS	100
Naphthalene	ug/L												NS	160
Nitrobenzene	ug/L												NS	19
N-Nitrosodimethylamine	ug/L												NS	0.0631
N-Nitroso-di-n-propylamine	ug/L												NS	0.094
N-Nitrosodiphenylamine	ug/L												NS	130
Pentachlorophenol	ug/L												1	1
Phenanthrene	ug/L												NS	1,100
Phenol	ug/L												NS	4,000
Pyrene	ug/L												NS	130

Table 3  
Analytical Results  
Deep Drinking Water Well Sample Summary

All Sampling Rounds  
2014H Wellsite

Dimock Township  
Susquehanna County, PA

Location	UNITS	Reserve Pit	Deep Drinking Water Wells										Water MSCs	
		Reserve Pit Water	Tap Water					Tap Water					MCL <sup>1</sup>	MSC <sup>2</sup>
Sample I.D.													Drinking Water Standard	Residential Used Aquifer TDS 52500
Sample Date		3/23/2010	4/19/2009	10/27/2009	3/23/2010	5/7/2010	4/19/2009	3/23/2010	5/7/2010	4/19/2009	3/23/2010	5/7/2010		
<b>General Chemistry</b>														
pH	pH units	10.44	7.13	7.39	7.41	-	7.85	7.14	-	7.29	7.82	-	6.5-8.5	6.5-8.5
TPH-DRO	mg/L												NS	NS
TPH-GRO	mg/L												NS	NS
Oil and Grease	mg/L												NS	NS
TPH	mg/L												NS	NS
Acidity	mg/L												NS	NS
Alkalinity	mg/L												NS	NS
Ammonia	mg/L												NS	NS
Ethylene Glycol	mg/L												NS	14.0
TSS	mg/L	1745	ND (2.0)	ND (2.0)	ND (1.0) (5)	8.0	ND (2.0)	51.0	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	NS	NS
TDS	mg/L	1533	160	170	127	145	164	107	111	140	133	201	500	550
Sulfate	mg/L	ND (5.000)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	6.005
MBAS	mg/L	ND (0.400)	ND (0.20)	ND (0.20)	ND (0.20)	ND (0.10)	ND (0.20)	ND (0.400)	ND (0.10)	ND (0.20)	ND (0.20)	ND (0.10)	NS	NS
Chloride	mg/L	302	44.3	27	37.8	30.9	4.28	6.27	4.5	5.3	6.72	5.4	250	250
Total Coliform (SM <sub>9222B</sub> )	cfu/100 ml	10,000	ND (1.0)	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0 <sup>3</sup>	NS
Fecal Coliform (SM <sub>9222B</sub> )	cfu/100 ml	-	-	-	-	-	-	-	-	-	-	-	0 <sup>3</sup>	NS
Fecal Coliform (SM <sub>9222D</sub> )	cfu/100 ml	6,400	ND (1.0)	-	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0 <sup>3</sup>	NS
Fecal Strept (SM <sub>9230C</sub> )	cfu/100 ml	-	-	-	-	ND (1.0)	-	-	ND (1.0)	-	-	ND (1.0)	0 <sup>3</sup>	NS

**Notes:**

<sup>1</sup> = ND (5.0) = Parameter not detected at the detection limit specified in parentheses.

<sup>2</sup> = Un-named tributary to

<sup>3</sup> = Too numerous to count

<sup>4</sup> = No Standard

<sup>5</sup> = Primary Federal Maximum Contaminant Level (MCL); Secondary MCL applied when primary MCL not available

<sup>6</sup> = Statewide Health Standard residential, used aquifer (TDS <2500 mg/L) Medium-Specific Concentrations (SHS R-U MSC; 25 PA Code Chapter 250)

<sup>7</sup> = Values from 25 Pa Code Chapter 93.6, Table 5; values assume a pH of 6.5 SU and hardness of 100 mg/L, where applicable. Values provided for chromium are for chromium III.

Values for bacteria (coliform), chloride, TDS, pH, manganese and iron from 25 Pa Code Chapter 93.7, Table 3.

<sup>8</sup> = - = Not Available/Not Analyzed

<sup>9</sup> = As Total Inhalomethanes

<sup>10</sup> = As Total xylenes

<sup>11</sup> = MCL Goal (MCLG)

<sup>12</sup> = Maximum as a monthly average value with no more than this number in more than 20 samples collected during a month.

<sup>13</sup> = Maximum as a geometric mean based on a minimum of five consecutive samples collected on different days during a 30 day period. Level set to 200 cfu/100 ml during swimming season.

<sup>14</sup> = No Value, Confluent Growth

<sup>15</sup> = Results for dissolved thallium evaluated down to instrument detection limit (IDL) for analyses conducted on 5/5/2010 and 5/7/2010. Positive values between reporting limit (RL) and method detection limit (MDL) reported with a "J", estimated.

Samples with values between IDL and MDL were reanalyzed on more sensitive instrument to confirm presence or absence of dissolved thallium above MSC of 2.0 ug/L.

0.23

J = Results exceed SHS R-U MSC.

All Sample Rounds

All Sample Rounds

294/834 Visuelle Seite

Dymock Township

Page 1 of 2



Page 2 of 2

**Notes:**

All results in milligram per kilogram (mg/kg) unless otherwise stated.

(\*) ND (2%) = Parameter not detected at the detection limit specified in parentheses.

(\*\*) Medium-Specific Concentrations (MSCs) were established from the Residential, Used Aquifer with TDS > 2500 MG/L Soil to Groundwater Numeric Values listed in Appendix A, Table 3 and Table 4 of 25 PA Code Section 250, Administration of the Land Recycling Act (Act 7) regulations.

NA=Not Analyzed

\*Un-named tributary to Burdick Creek.

\*\*As total hydrocarbons.

A=As Complies B.

14.5 = Result exceeds SMS Residential, Used Aquifer MSC.

**Reserve Pit**

Dispute Township

Page 1 of 2

**Table 5**  
**Analytical Results**  
**Pre- and Post-Remediation Confirmational Soil Sample Summary**

Reserve Pit  
23481 Wellsite  
Dimock Township  
Susquehanna County  
Pennsylvania

Sample ID (Field)		Pennsylvania																										SQL Residential Use August 2014
		20401-1	20401-16	20401-3	20401-20	20401-4	20401-40	20401-5	20401-10	20401-7	20401-11	20401-12	20401-120	20401-11	20401-110	20401-100	20401-130	20401-13	20401-30	20401-6	20401-80	20401-8	20401-80	20401-5	20401-10			
		North West of Reserve PB										South of Reserve PB										South West of Reserve PB						
Sample Date		5/4/2018	5/5/2018	5/4/2019	5/10/2019	5/4/2019	5/10/2019	5/4/2019	5/10/2019	5/4/2019	5/10/2019	5/10/2019	5/4/2019	5/10/2019	5/4/2019	5/10/2019	5/4/2019	5/10/2019	5/4/2019	5/10/2019	5/4/2019	5/10/2019	5/4/2019	5/10/2019	5/4/2019	5/10/2019		
Amphipoda																											2,760	
Arthropoda																											240	
Ascidacea																											240	
Cnidaria																											24	
Ctenophora																											24	
Echinodermata																											144	
Gastropoda																											144	
Hydrozoa																											144	
Isopoda																											144	
Mollusca																											14,000	
Nemertea																											1,000	
Phlebobranchia																											240	
Polychaeta																											14,000	
Scudacea																											240	
Sipuncularia																											240	
Tunicata																											240	
Urochordata																											240	
Amphipoda																											240	
Arthropoda																											240	
Ascidacea																											240	
Cnidaria																											24	
Ctenophora																											24	
Echinodermata																											144	
Gastropoda																											144	
Hydrozoa																											144	
Isopoda																											144	
Mollusca																											14,000	
Nemertea																											1,000	
Phlebobranchia																											240	
Polychaeta																											14,000	
Scudacea																											240	
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Hydrozoa																											144	
Isopoda																												

**Notes:**  
 All results in milligrams per kilogram (mg/kg) unless otherwise stated.  
 \* Moisture Specific Concentration (MSC) was established from the Residual, Used Analyzer with TOB = 2500 MSCs Soil to Groundwater Numeric Values listed in Appendix A, Table 3 and Table 4 of 23 PA Code Section 250, Administration of the Land Recycling Act (Act 2) regulations.  
 † Residual first detected at the detection limit specified in parentheses.  
 ‡ No violation applicable.  
 § **NR** = Not Reported; **ND** = Not Detected; **NR** = Residual, Used Analyzer MSC.



Table 6  
Analytical Results  
Monitoring Well Sample Summary

All Sampling Rounds  
DH4H Well Site

Dimock Township  
Susquehanna County, PA

Location	UNITS	Reserve Pit	Monitoring Wells								MSC <sup>2</sup>
		Reserve Pit Water	MW-1	MW-1	MW-1	MW-2	MW-2	MW-4	MW-4		
		Up-Gradient NW	Up-Gradient NW	Up-Gradient NW	Down-Gradient NE	Down-Gradient NE	Side-Down-Gradient SW	Side-Down-Gradient SW			
Sample I.D.		MW-1	MW-1	MW-1	MW-2	MW-2	MW-4	MW-4	Residential Used Aquifer TDS 2500		
Sample Date		01 2/23/2010	5/20/2010	6/3/2010	6/3/2010	5/20/2010	6/3/2010	5/20/2010	6/4/2010		
60107477 Metals Analyses											
Aluminum, Total	ug/L	46,800	2,510	3,170	2,880	13,000	4,680	7,390	859	-	
Antimony, Total	ug/L	61	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	-	
Arsenic, Total	ug/L	130	5.3	ND (5.0)	ND (5.0)	20.7	7.4	29	13.5	-	
Barium, Total	ug/L	8,100	143	181	180	152	78.3	76	33	-	
Beryllium, Total	ug/L	4.0	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	-	
Boron, Total	ug/L	190	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	-	
Cadmium, Total	ug/L	4.7	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	-	
Calcium, Total	ug/L	72,200	37,200	40,500	41,500	25,000	36,300	21,600	36,800	-	
Chromium, Total	ug/L	140	5.6	6.1	475	289	27.7	499	-	-	
Cobalt, Total	ug/L	40	ND (5.0)	ND (5.0)	ND (5.0)	13.8	7.8	9.4	9.2	-	
Copper, Total	ug/L	310	ND (5.0)	ND (5.0)	ND (5.0)	24	8.4	11.7	6.8	-	
Iron, Total	ug/L	65,800	3,010	3,950	3,580	23,000	10,900	15,300	3,940	-	
Lead, Total	ug/L	1,300	2.4	5.2	5.3	13.1	7.5	14.8	4.9	-	
Magnesium, Total	ug/L	10,000	7,950	9,090	9,260	7,310	6,630	5,800	6,810	-	
Manganese, Total	ug/L	2,600	125	128	127	682	364	775	339	-	
Molybdenum, Total	ug/L	280	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	-	
Nickel, Total	ug/L	180	ND (1.0)	ND (1.0)	ND (1.0)	256	145	26.6	254	-	
Potassium, Total	ug/L	29,700	2,680	2,570	2,620	4,350	3,120	3,840	3,000	-	
Selenium, Total	ug/L	6.6	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	-	
Silver, Total	ug/L	2.5	ND (1.0)	ND (1.0)	ND (1.0)	1.5	ND (1.0)	ND (1.0)	ND (1.0)	-	
Sodium, Total	ug/L	216,000	6,370	7,460	7,550	5,770	6,120	3,370	4,880	-	
Thallium, Total	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	-	
Vanadium, Total	ug/L	200	ND (5.0)	ND (5.0)	ND (5.0)	16.3	7.5	10.3	ND (5.0)	-	
Zinc, Total	ug/L	530	10.3	ND (5.0)	ND (5.0)	70.2	31.9	42.5	ND (5.0)	-	
Mercury, Total	ug/L	2.5	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	-	
60107477 Metals Analyses											
Aluminum, Dissolved	ug/L	1,100	ND (5.0)	ND (5.0)	ND (5.0)	68	ND (5.0)	ND (5.0)	ND (5.0)	200	
Antimony, Dissolved	ug/L	78	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	6	
Arsenic, Dissolved	ug/L	81	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	10	
Barium, Dissolved	ug/L	3,100	86.4	108.0	108.0	33.5	35.8	15.4	24.4	2,000	
Beryllium, Dissolved	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	4	
Boron, Dissolved	ug/L	120	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	600	
Cadmium, Dissolved	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
Calcium, Dissolved	ug/L	18,400	37,800	40,100	39,700	24,200	28,200	18,000	34,300	NS	
Chromium, Dissolved	ug/L	8.2	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	100	
Cobalt, Dissolved	ug/L	ND (1.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	730	
Copper, Dissolved	ug/L	12	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	1,000	
Iron, Dissolved	ug/L	1,000	ND (5.0)	ND (5.0)	ND (5.0)	72.5	ND (5.0)	ND (5.0)	ND (5.0)	300	
Lead, Dissolved	ug/L	49	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	5	
Magnesium, Dissolved	ug/L	400	7,260	8,690	8,630	4,180	4,580	3,260	6,210	NS	
Manganese, Dissolved	ug/L	38	82.0	34.0	39.4	161	41.4	287	263	300	
Molybdenum, Dissolved	ug/L	230	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	NS	
Nickel, Dissolved	ug/L	21	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	100	
Potassium, Dissolved	ug/L	17,100	1,720	1,620	1,650	1,320	1,320	1,460	2,510	NS	
Selenium, Dissolved	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	50	
Silver, Dissolved	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	100	
Sodium, Dissolved	ug/L	259,000	6,840	7,400	7,610	5,850	4,970	3,300	4,830	NS	
Thallium, Dissolved	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2	
Vanadium, Dissolved	ug/L	45	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	260	
Zinc, Dissolved	ug/L	15	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	2,000	
Mercury, Dissolved	ug/L	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	ND (5.0)	2	



Table 5  
Analytical Results  
Monitoring Well Sample Summary

All Sampling Rounds  
0144H Wellsite

Dimock Township,  
Susquehanna County, PA

Location	UNITS	Reserve Pit	Monitoring Wells								MSC <sup>2</sup>
		Reserve Pit Water	MW-1	MW-1	MW-1	MW-2	MW-2	MW-4	MW-4		
			Up-Gradient NW	Up-Gradient NW	Up-Gradient NW	Down-Gradient NE	Down-Gradient NE	Side-Down- Gradient SW	Side-Down- Gradient SW		
Sample I.D.			MW-1	MW-1	MW-X <sup>3</sup>	MW-2	MW-2	MW-4	MW-4	Residential Used Aquifer TDS ≤3500	
Sample Date		5/20/2010	6/3/2010	6/3/2010	6/3/2010	5/20/2010	6/3/2010	5/20/2010	6/4/2010		
VOCs (RSD)											
1,1,1-Trichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	200	
1,1,2,2-Tetrachloroethane	ug/L	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.3	
1,1,2-Trichloroethane	ug/L	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
1,1-Dichloroethane	ug/L	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	27	
1,1-Dichloroethene	ug/L	ND (0.5)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	7	
1,2,4-Trichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	70	
1,2,4-Trimethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	16	
1,2-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	500	
1,2-Dichloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
1,2-Dichloroethene (Total)	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	NS	
1,2-Dichloropropane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
1,3,5-Trimethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	16	
1,3-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	600	
1,4-Dichlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	76	
2-Butanone (MEK)	ug/L	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	2,000	
2-Hexanone	ug/L	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	5	
4-Methyl-2-pentanone (MIBK)	ug/L	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	190	
Acetone	ug/L	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	3,700	
Benzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
Bromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	90	
Bromodichloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	80	
Bromofluoromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	50	
Bromomethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	10	
Carbon disulfide	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1,500	
Carbon tetrachloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
Chlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	100	
Chloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	230	
Chloroform	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	80	
Chloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	3	
Dibromochloromethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	80	
Ethylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	700	
Isopropylbenzene (Cumene)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1,100	
Methyl-tert-butyl ether	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	20	
Methylene Chloride	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
Naphthalene	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	100	
Styrene	ug/L	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	100	
Tetrachloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
Toluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1000	
Trichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
Vinyl Chloride	ug/L	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	ND (2.0)	2	
Xylene (Total)	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	10,000	
cis-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	70	
cis-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5.5	
m,p-Xylene	ug/L	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	10,000 <sup>4</sup>	
n-Butylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1,500	
n-Propylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1,500	
p-Xylene	ug/L	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	10,000 <sup>4</sup>	
p-Isopropyltoluene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	
sec-Butylbenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1,500	
trans-1,2-Dichloroethene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	100	
trans-1,3-Dichloropropene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5.5	

Table 6  
Analytical Results  
Monitoring Well Sample Summary

All Sampling Rounds  
2H4H Wellsite

Dinwiddie Township  
Susquehanna County, PA

Location	UNITS	Reserve Pit	Monitoring Wells								MSC <sup>2</sup>
		Reserve Pit Water	MW-1	MW-1	MW-1	MW-2	MW-2	MW-4	MW-4	Residential Use Aquifer TDS 52500	
			Up-Gradient NW	Up-Gradient NW	Up-Gradient NW	Down-Gradient NE	Down-Gradient NE	Side/Down- Gradient SW	Side/Down- Gradient SW		
			MW-1	MW-1	MW-3 <sup>1</sup>	MW-2	MW-2	MW-4	MW-4		
Sample I.D.		01 2/23/2010	5/20/2010	6/3/2010	6/3/2010	5/20/2010	6/3/2010	5/20/2010	6/4/2010		
PAHs (87/00 SIM)											
Acenaphthene	ug/L		ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	2200	
Acenaphthylene	ug/L		ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	ND (0.30)	2200	
Anthracene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	66	
Benzo(a)anthracene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	0.5	
Benzo(a)pyrene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	0.2	
Benzo(b)fluoranthene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	0.5	
Benzo(g,h,i)perylene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	0.26	
Benzo(k)fluoranthene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	0.55	
Chrysene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	1.5	
Dibenz(a,h)anthracene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	0.09	
Fluoranthene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	260	
Fluorene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	1560	
Indeno(1,2,3-cd)pyrene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	0.5	
Naphthalene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	100	
Phenanthrene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	1100	
Pyrene	ug/L		ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)	130	
SVOCs (82/00)											
1,2,4-Trichlorobenzene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	70	
1,2-Dichlorobenzene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	600	
1,3-Dichlorobenzene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	600	
1,4-Dichlorobenzene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	75	
1-Methylnaphthalene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	NS	
2,4,5-Trichlorophenol	ug/L		ND (0.07)	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.07)	ND (0.07)	3,700	
2,4-Dichlorophenol	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	11	
2,4-Dimethylphenol	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	20	
2,4-Dinitrophenol	ug/L		ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	730	
2,4-Dinitrotoluene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	19	
2,6-Dinitrotoluene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	2.1	
2-Chloronaphthalene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	37	
2-Chlorophenol	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	2,900	
2-Methylnaphthalene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	400	
2-Methylphenol (o-Cresol)	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	730	
2-Nitroaniline	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	1,000	
2-Nitrophenol	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	2.1	
3,4-Methylenediamine(m6a Cresol)	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	290	
3,3-Dichlorobenzidine	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	160	
3-Nitroaniline	ug/L		ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	1.5	
4,6-Dinitro-2-methylphenol	ug/L		ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	ND (0.4)	2.1	
4-Bromophenylphenyl ether	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	5	
4-Chloro-3-methylphenol	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	180	
4-Chloroaniline	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	160	
4-Chlorophenylphenyl ether	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	5	
4-Nitroaniline	ug/L		ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	ND (2.4)	2.1	
4-Nitrophenol	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	60	
Acenaphthene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	2,200	
Acenaphthylene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	2,200	
Anthracene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	66	
Azobenzene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	NS	
Benzo(a)anthracene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	0.5	
Benzo(a)pyrene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	0.2	
Benzo(b)fluoranthene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	0.5	
Benzo(g,h,i)perylene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	0.26	
Benzo(k)fluoranthene	ug/L		ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	ND (1.1)	0.55	

Table 6  
Analytical Results  
Monitoring Well Sample Summary

All Sampling Rounds  
21/4/14 Wellsite

Dinock Township,  
Susquehanna County, PA

Location	Reserve Pit	Monitoring Wells								MSC <sup>1</sup>
	Reserve Pit Water	MW-1	MW-1	MW-1	MW-2	MW-2	MW-4	MW-4		
		Up-Gradient NW	Up-Gradient NW	Up-Gradient NW	Down-Gradient NE	Down-Gradient NE	Side-Down-Gradient SW	Side-Down-Gradient SW		
Sample I.D.	UNITS	MW-1	MW-1	MW-1	MW-2	MW-2	MW-4	MW-4	Residential Used Aquifer TDS <2500	
Sample Date		5/20/2010	6/3/2010	6/3/2010	5/20/2010	6/3/2010	5/20/2010	6/4/2010		
SVOCs (B270C) continued										
Benzic acid	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	150,000	
Benzyl alcohol	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	11,000	
bis(2-Chloroethoxy)methane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
bis(2-Chloroethyl) ether	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.13	
bis(2-Chloropropyl) ether	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	300	
bis(2-Ethylhexyl)phthalate	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	8.6	5.2	ND (1.0)	5.8	6	
Butylbenzylphthalate	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2,700	
Carbazole	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	33	
Chrysene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1.3	
Dibenz(a,h)anthracene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.09	
Dibenzofuran	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
Dioctylphthalate	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5,000	
Dimethylphthalate	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	5	
D-n-butylphthalate	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	3,700	
D-n-octylphthalate	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NS	
Fluoranthene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	260	
Fluorene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1,600	
Hexachloro-1,3-butadiene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1	
Hexachlorobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1	
Hexachlorocyclopentadiene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	50	
Hexachloroethane	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1	
Indeno(1,2,3-cd)pyrene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.9	
Isophorone	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	100	
Naphthalene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	100	
Nitrobenzene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	18	
N-Nitrosodimethylamine	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.0031	
N-Nitroso-d-n-propylamine	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	0.094	
N-Nitrosodiphenylamine	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	130	
Parathlorophenol	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1	
Phenanthrene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1,100	
Phenol	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	4,000	
Pyrene	ug/L	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	130	
General Chemistry										
pH	pH units	10.44	7.0	7.8	7.4	7.0	7.3	6.6	7.0	6.5-8.5
TPH	mg/L		0.14	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	ND (0.13)	NS
TPH GRO	mg/L		ND (14.0)	ND (15.0)	ND (15.0)	ND (14.0)	ND (15.0)	ND (14.0)	ND (15.0)	NS
Oil and Grease	mg/L		ND (14.0)	ND (15.0)	ND (15.0)	ND (14.0)	ND (15.0)	ND (14.0)	ND (15.0)	NS
TPH	mg/L		ND (14.0)	ND (15.0)	ND (15.0)	ND (14.0)	ND (15.0)	ND (14.0)	ND (15.0)	NS
Acidity	mg/L		ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	NS
Alkalinity	mg/L		88.0	60.0	90.0	ND (10.0)	ND (10.0)	58.0	86.0	NS
Ammonia	mg/L		0.16	ND (10.0)	0.12	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	NS
Ethylene Glycol	mg/L		ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	ND (10.0)	14.0
TDS	mg/L	1745								NS
TDS	mg/L	1333	138	266	208	92.0	188	50.0	182	500
Sulfide	mg/L	ND (0.05)	0.11	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	0.005
MBAS	mg/L	302	11.6	11.0	11.8	12.5	11.3	8.6	7.6	NS
Chloride	mg/L		110	163	424	1080	350	800	200	NS
Total Coliform (SM-9222B)	cfu/100 ml		30	150	424	600	350	800	200	NS
Fecal Coliform (SM-9222B)	cfu/100 ml		30	150	424	600	350	800	200	NS
Fecal Coliform (SM-9222D)	cfu/100 ml		30	150	424	600	350	800	200	NS
Fecal Strep (SM-9230C)	cfu/100 ml		30	150	424	600	350	800	200	NS

Notes:

<sup>1</sup> ND (5.0) = Parameter not detected at the detection limit specified in parentheses.

<sup>2</sup> Statewide Health Standard residential, used aquifer (TDS <2500 mg/L) Medium-Specific Concentrations (SHS R-U MSC; 25 PA Code Chapter 250)

<sup>3</sup> No Standard

<sup>4</sup> As Total xylenes

<sup>5</sup> Field Duplicate of MW-1

<sup>6</sup> Results for dissolved thallium evaluated down to instrument detection limit (IDL) for analyzers conducted on 5/20/2010, 6/3/2010 and 6/4/2010. Positive values between reporting limit (RL) and method detection limit (MDL) reported with a "J", estimated. Samples with values between IDL and MDL were reanalyzed on more sensitive instrument to confirm presence or absence of dissolved thallium above MSC of 0.23. Results exceed SHS R-U MSC.

**Table 7**  
**Groundwater and Surface Water Elevations**

2H/4H Wellsite

Dimock Township  
Susquehanna County, PA

Location	Date	Well Diameter (in)	Total Depth (ft-bgs) <sup>1</sup>	TOC Elevation (ft-msl)	Ground Surface Elevation (ft-msl)	Depth to Groundwater (ft)	Groundwater Elevation (ft-msl)
Cavanaugh Pond NE	5/11/2010	NA	NA	NA	1473.13	0.00	1473.13
Cavanaugh Pond NW	5/11/2010	NA	NA	NA	1527.29	0.00	1527.29
Pond SW	5/11/2010	NA	NA	NA	1395.27	0.00	1395.27
Pond SE	5/11/2010	NA	NA	NA	1419.91	0.00	1419.91
Hand Dug Well	05/13/10	NA	NA	1478.78	1477.42	8.40	1470.38
Shallow Well	05/13/10	NA	NA	1427.19	1426.54	2.96	1424.23
Shallow Well	05/13/10	NA	NA	1424.62	1423.24	1.40	1423.22
Hand Dug Well	05/20/10	NA	NA	1478.78	1477.42	7.57	1471.21
Shallow Well	05/20/10	NA	NA	1427.19	1426.54	2.96	1424.23
Shallow Well	05/20/10	NA	NA	1424.62	1423.24	3.12	1421.50
MW-1	05/20/10	2"	26.45	1551.48	1547.43	16.99	1534.49
MW-2	05/20/10	2"	57.85	1550.30	1546.01	54.34	1495.96
MW-4	05/20/10	2"	90.92	1549.51	1546.30	86.76	1462.75
Hand Dug Well	06/03/10	NA	NA	1478.78	1477.42	8.47	1470.31
Shallow Well	06/03/10	NA	NA	1427.19	1426.54	2.98	1424.21
Shallow Well	06/03/10	NA	NA	1424.62	1423.24	2.89	1421.73
MW-1	06/03/10	2"	26.45	1551.48	1547.43	15.81	1535.67
MW-2	06/03/10	2"	57.85	1550.30	1546.01	51.50	1498.80
MW-4	06/03/10	2"	90.92	1549.51	1546.30	88.79	1460.72

**Notes:**

<sup>1</sup> = Total depth was measured from ground surface

TOC - Top of casing.

ft-msl - Feet mean sea level.

NA = Not available

---

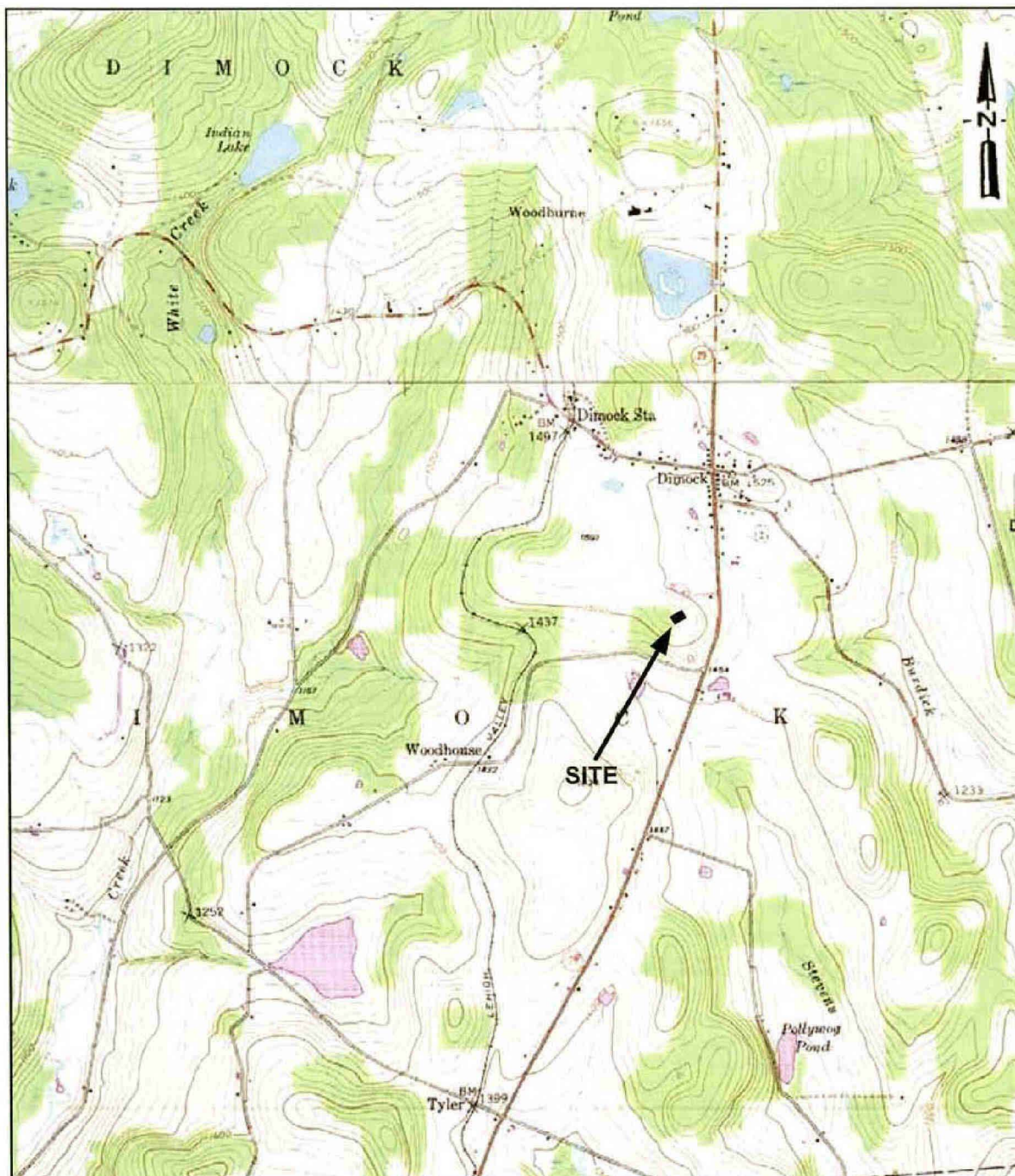
## FIGURES

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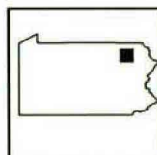
CABOT-EPA 006307

## FIGURES





0 2000 4000  
APPROXIMATE SCALE IN FEET



BASE MAP SOURCE: USGS 7.5 minute series topographic quadrangle map Springville, Pennsylvania (1946, photorevised 1969) and Montrose West, Pennsylvania (1994).

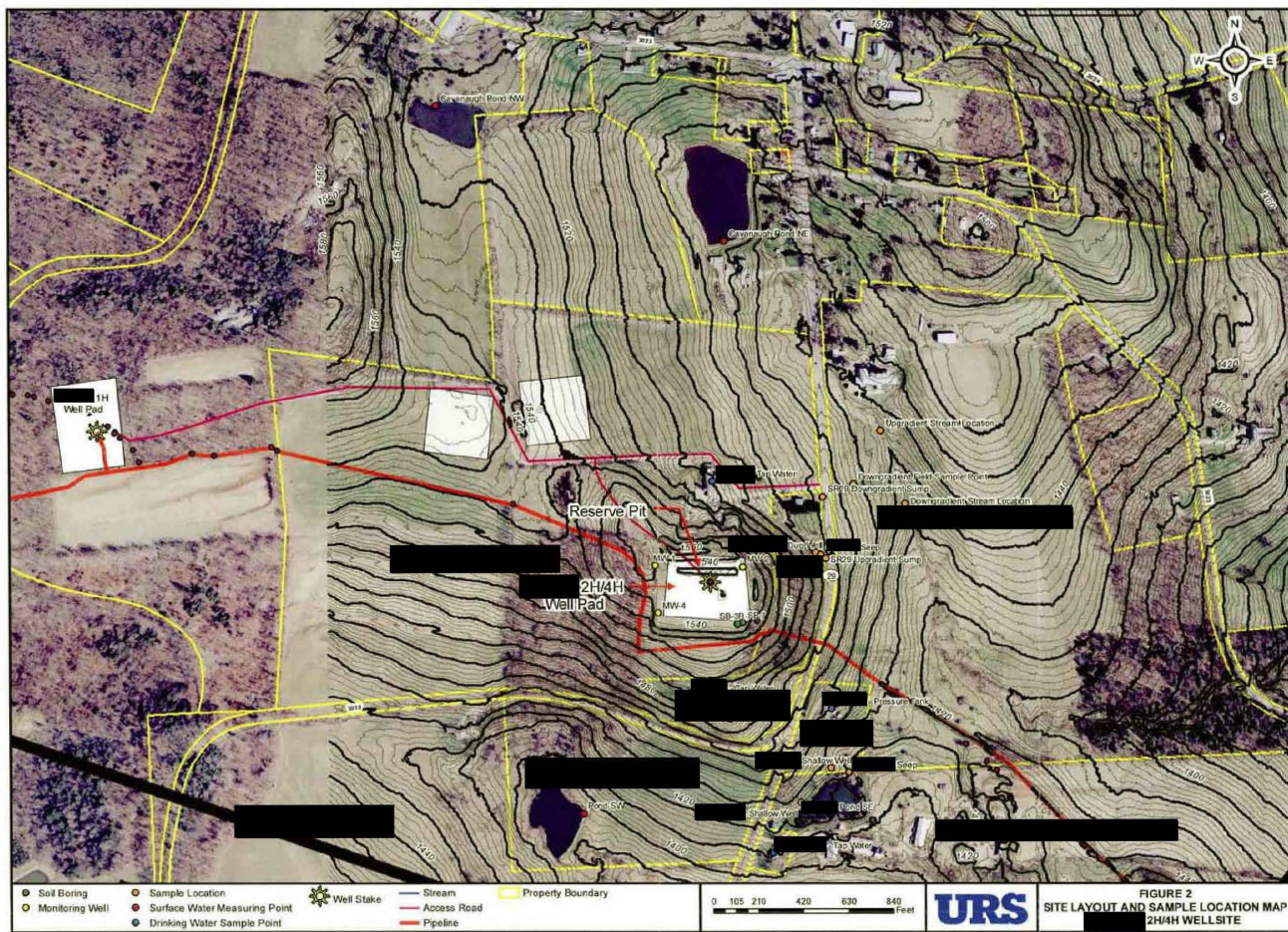
 Cabot Oil & Gas Corporation

FIGURE 1  
SITE VICINITY MAP  
[REDACTED] 2H/4H WELLSITE  
SUSQUEHANNA COUNTY PENNSYLVANIA

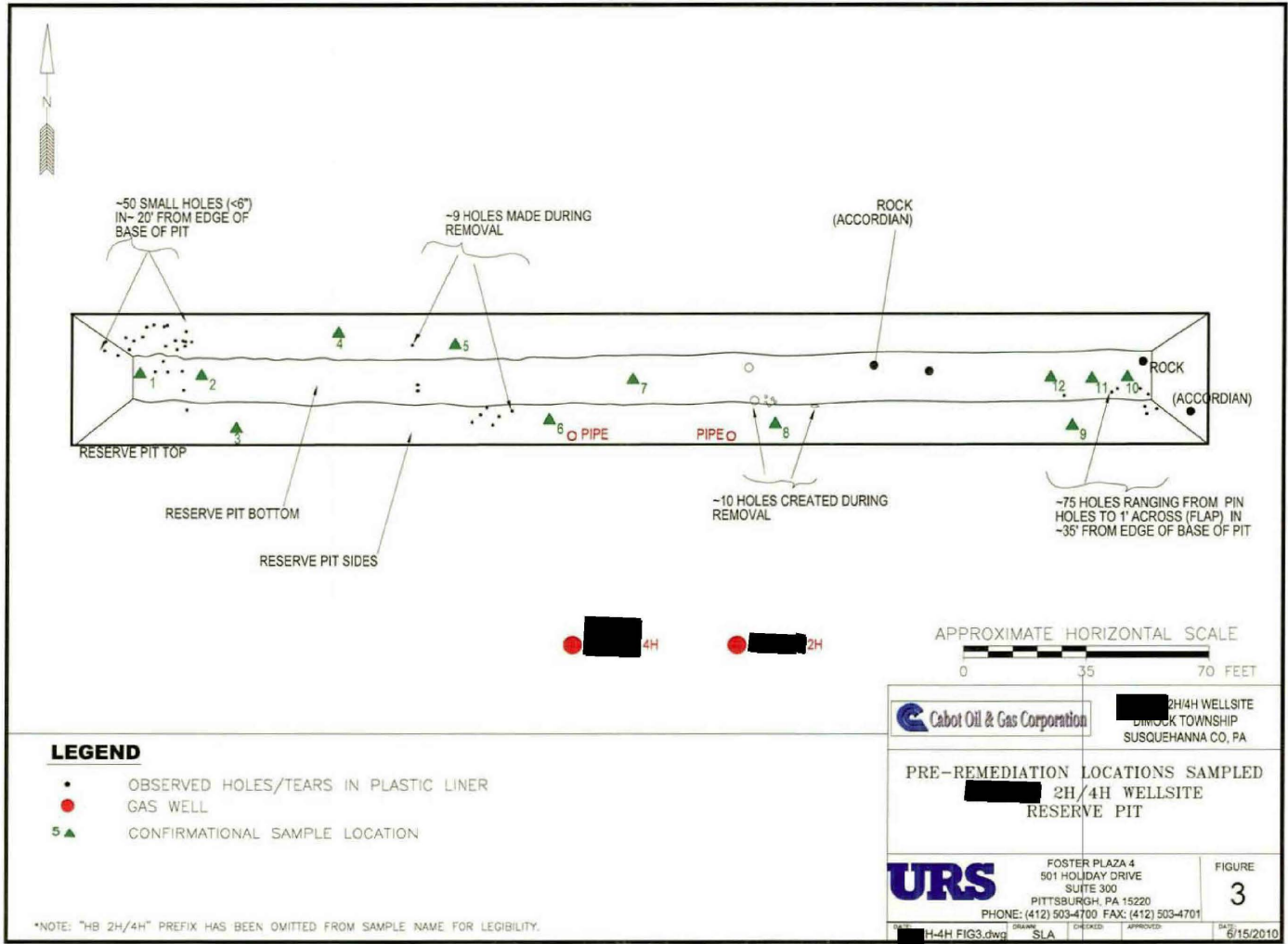


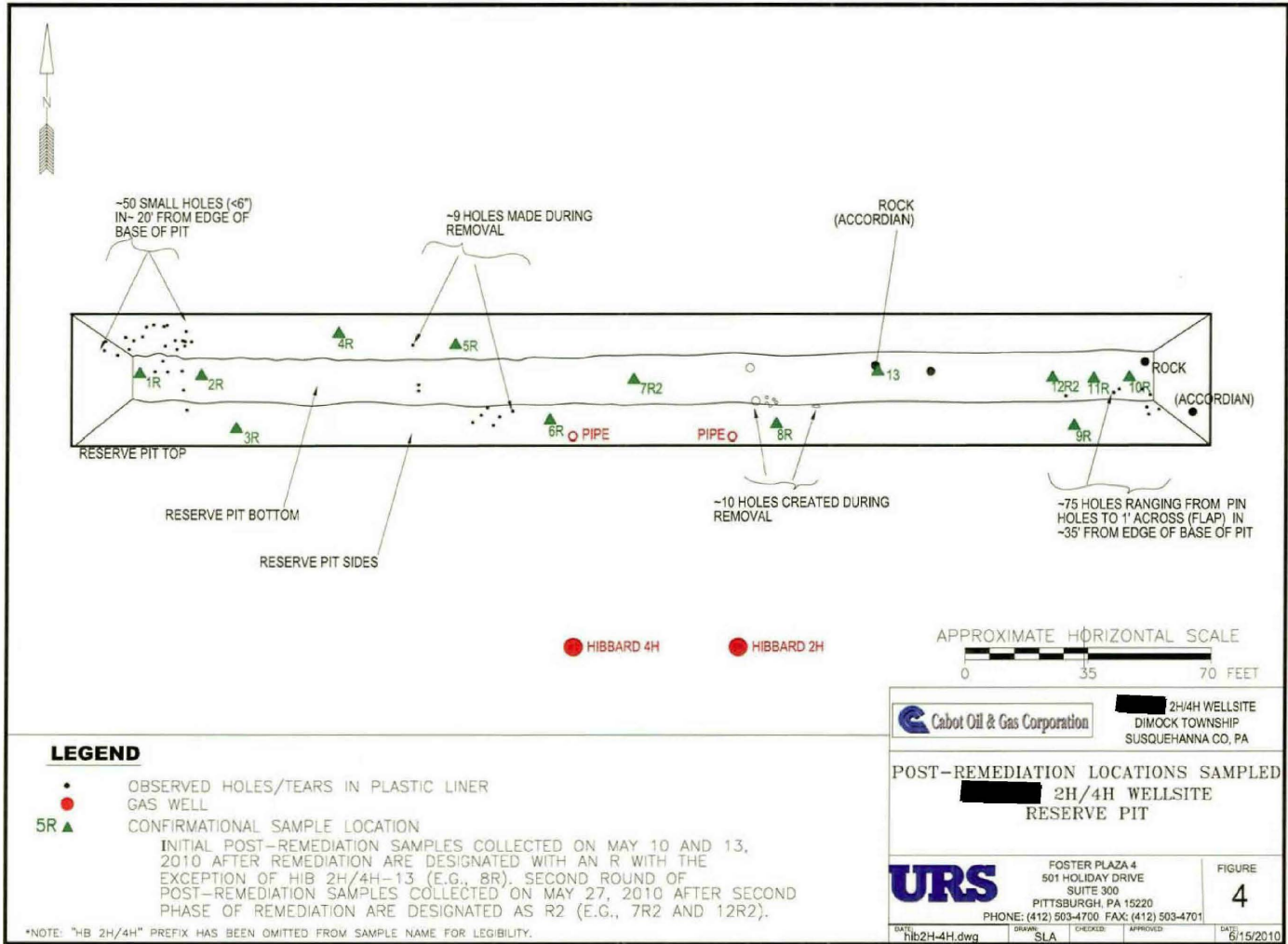
CABOT-EPA 006309



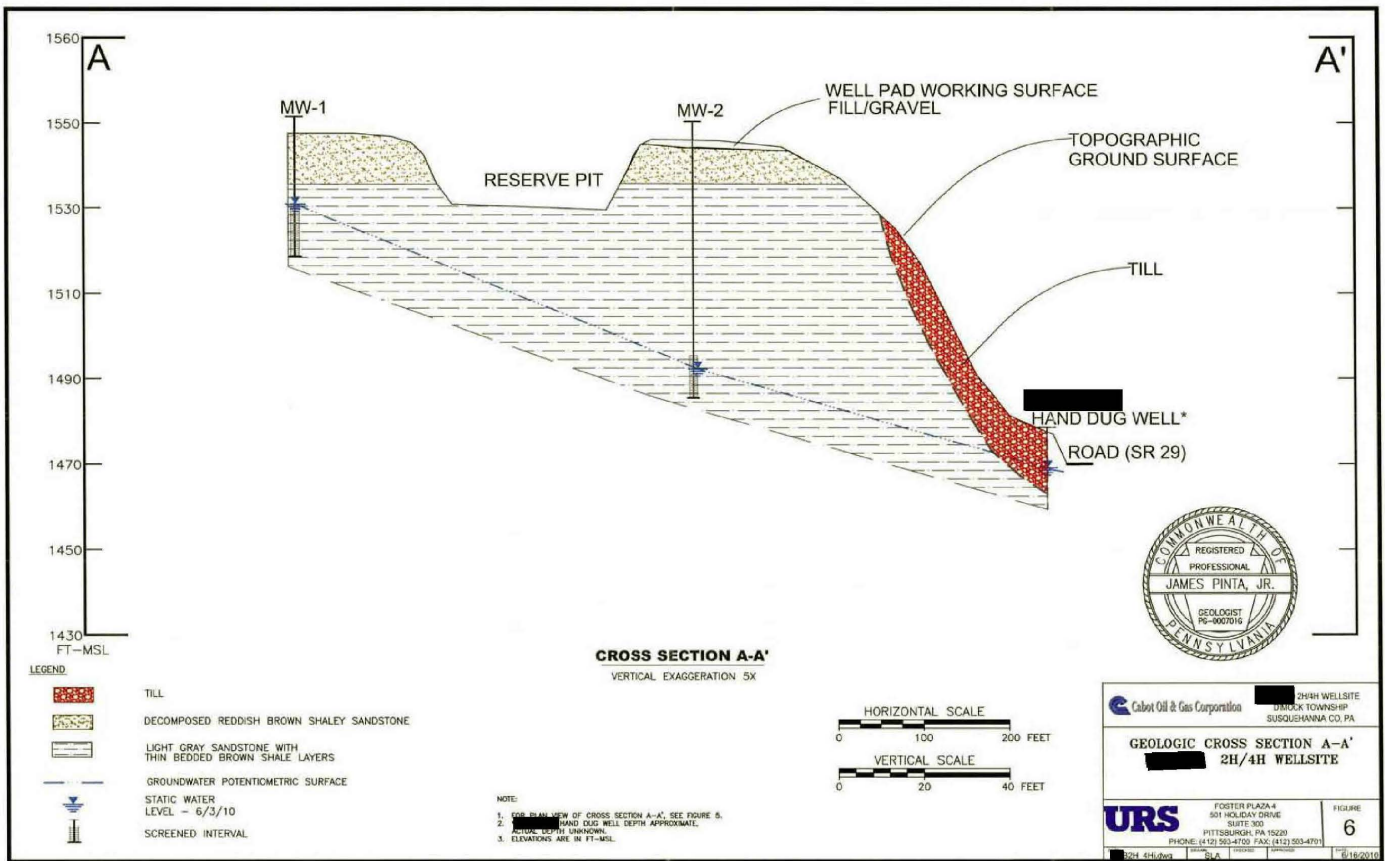




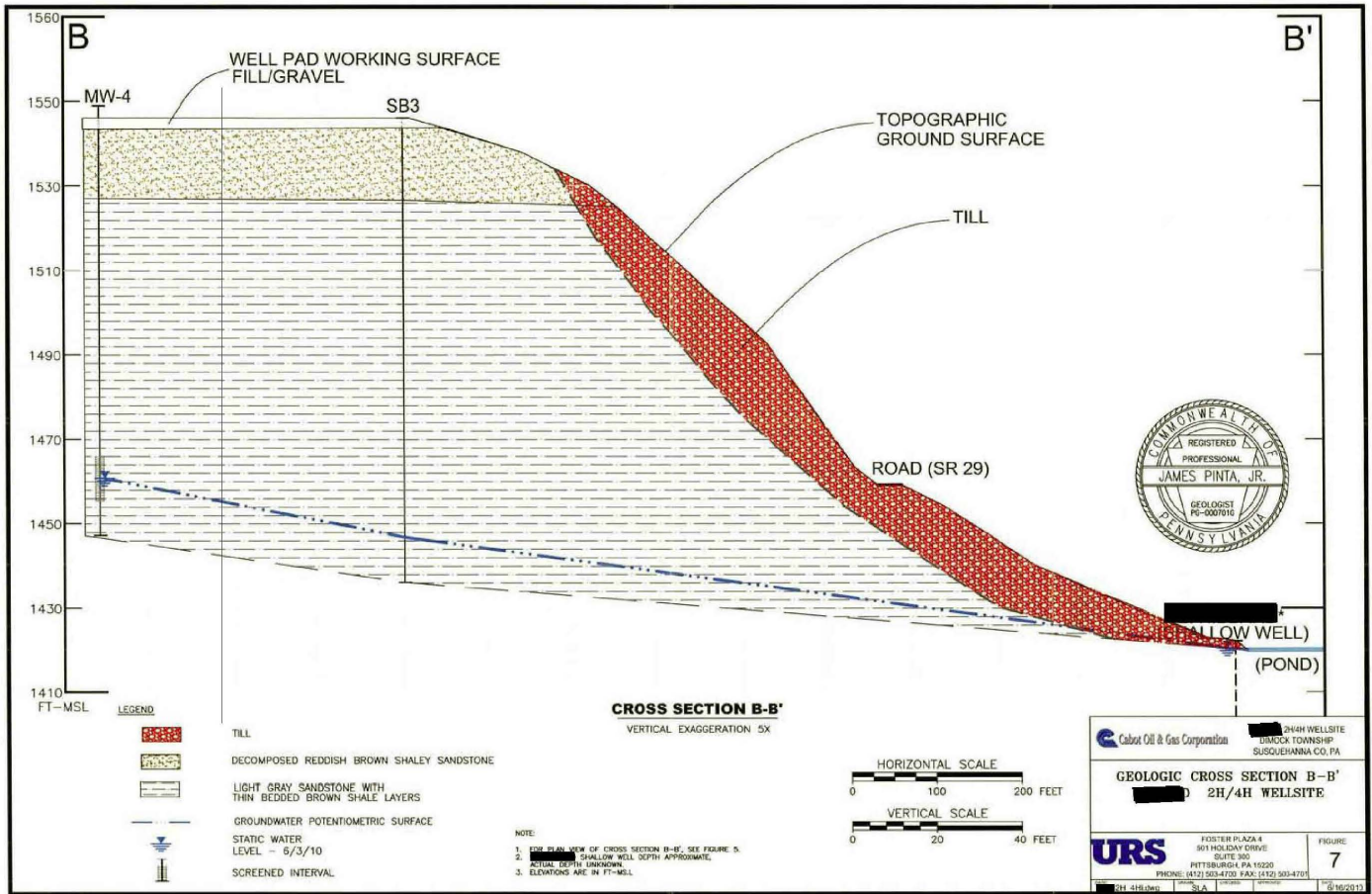


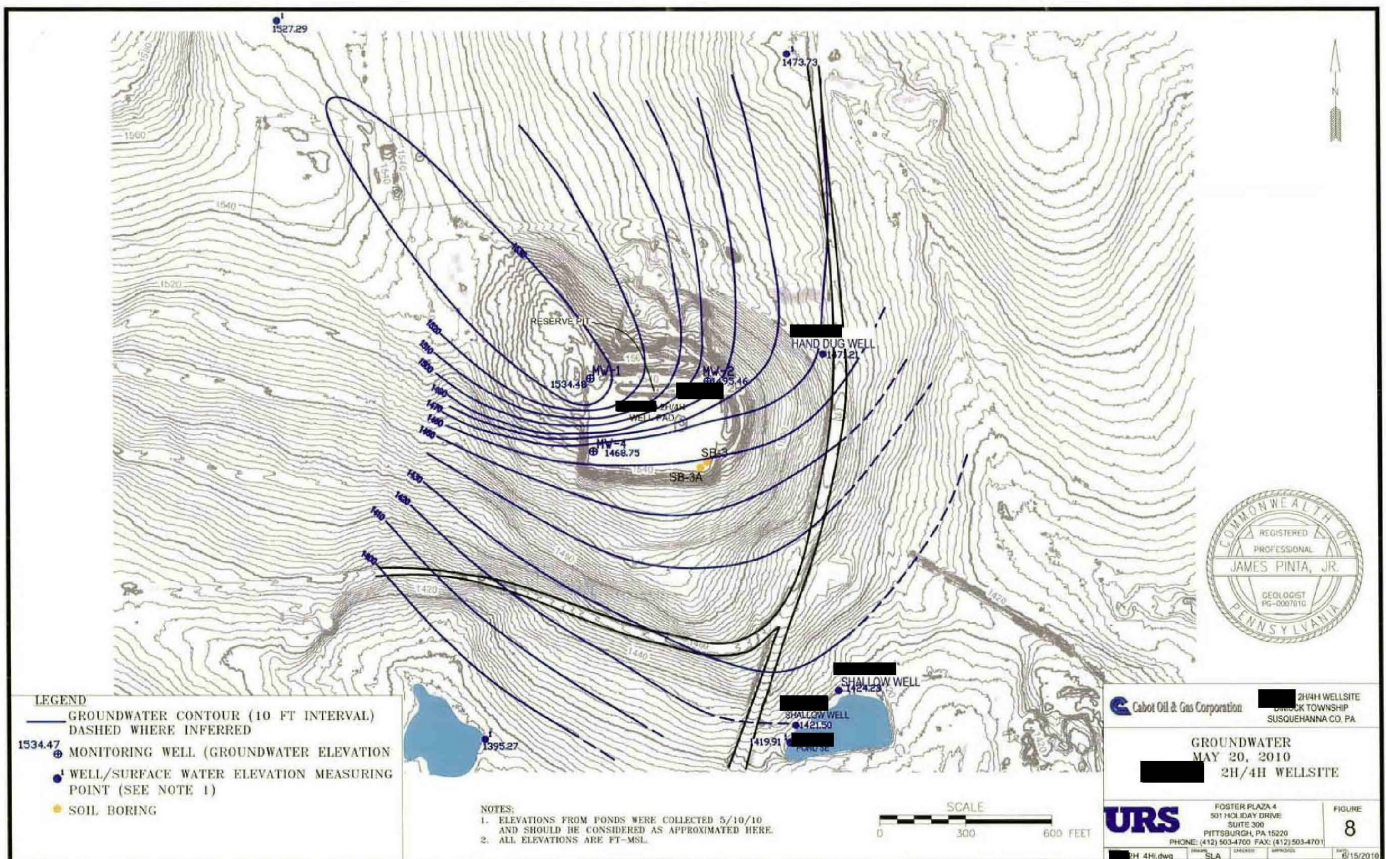




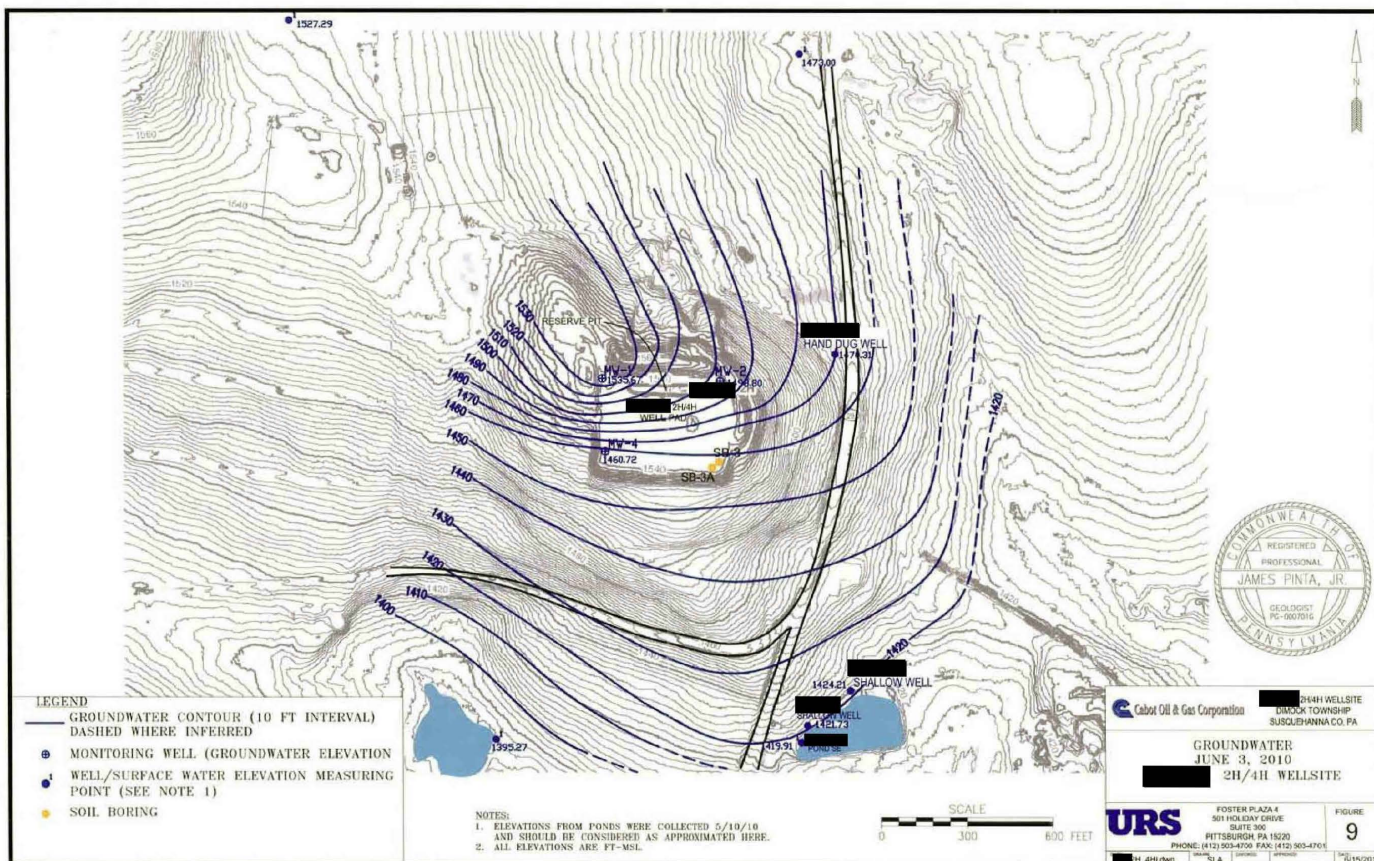






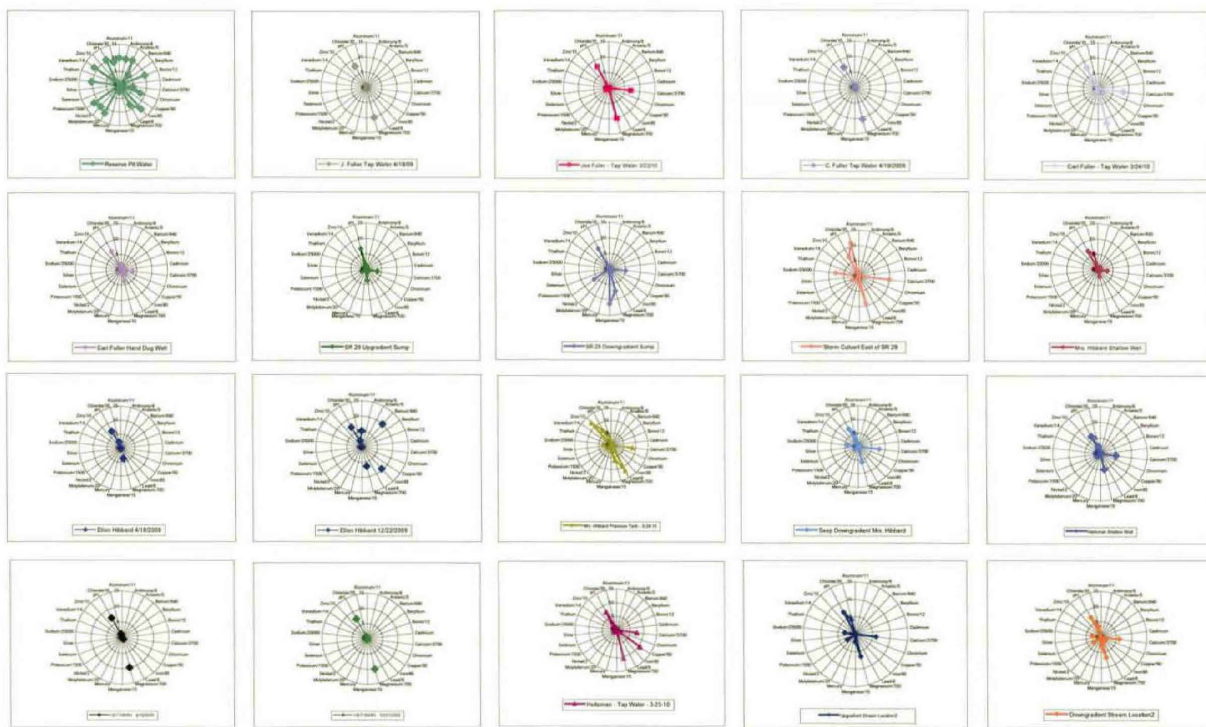






**Figure 10A**  
Relative Concentrations of Dissolved Metals, pH, and Chloride for Water Samples April 2009 to March 2010  
2H/4H Wellsite Vicinity  
Area of Black Water Occurrence Investigation

Dimock Township  
Susquehanna County, PA



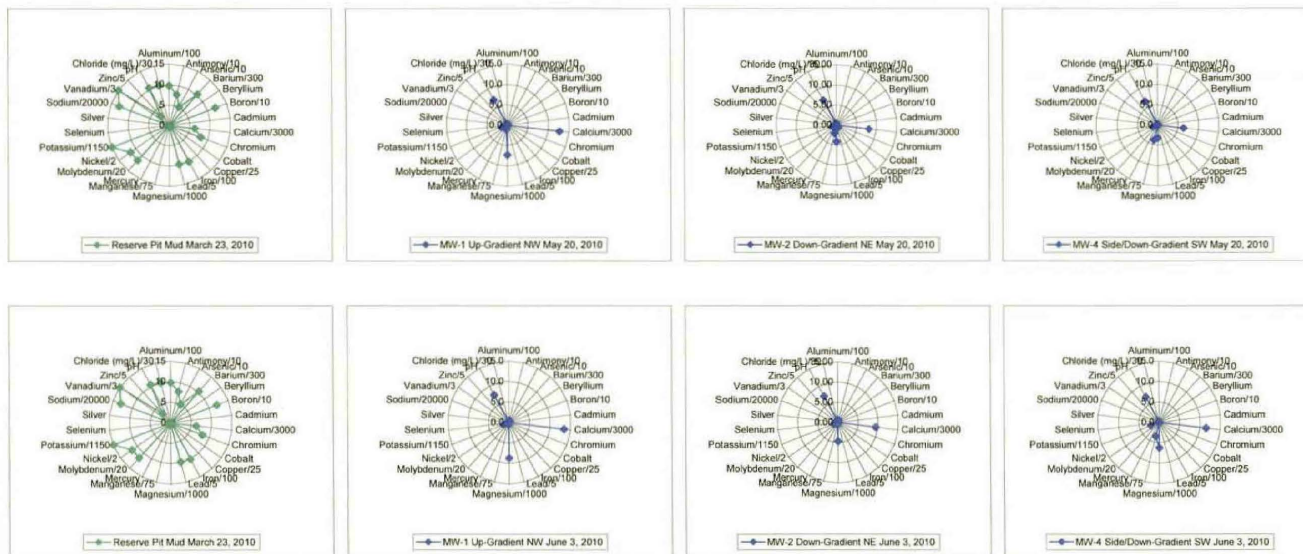


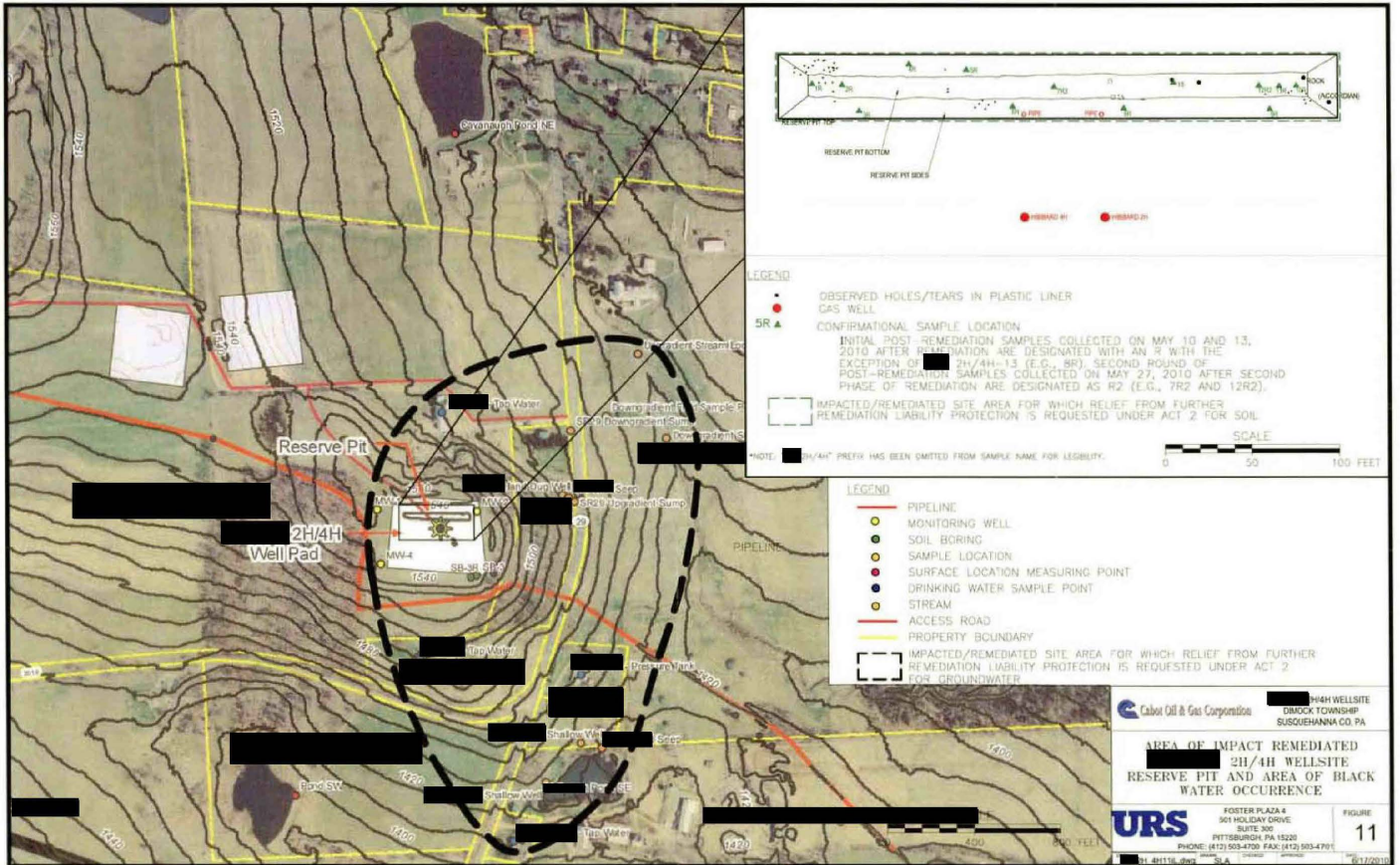
**Figure 10B**  
Relative Concentrations of Dissolved Metals and Chloride for Water Samples May 2010  
2H/4H Wellsite Vicinity  
Area of Black Water Occurrence Investigation

Dimock Township  
Susquehanna County, PA



**Figure 10C**  
Relative Concentrations of Dissolved Metals, pH, and Chloride for Water Samples in Groundwater Monitoring Wells  
Area of Black Water Occurrence Investigation  
Dimock Township  
Susquehanna County, PA





## APPENDIX A

CABOT-EPA 006322

**APPENDIX A**

**PADEP Notice of Violation  
and  
PADEP Order**

CABOT-EPA 006323



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

2 Public Square

Wilkes-Barre, PA 18711-0790

April 8, 2010

Northeast Regional Office

570-826-2300

Fax 570-830-3016

## NOTICE OF VIOLATION

CERTIFIED MAIL NO.: 7009 1410 0000 2456 8111

Mr. Phillip Stalnaker  
Cabot Oil & Gas Corporation  
5 Penn Center West, Suite 401  
Pittsburgh, PA 15276-0120

Re: [REDACTED] #2H & 4H Well Pad, No.  
115-20149 & 115-20179  
Dimock Twp, Susquehanna County

Dear Mr. Stalnaker:

On March, 21 2010 the Department received a phone report from Cabot Oil & Gas Corp regarding black fluid that was discovered in a ditch near the [REDACTED] 2H & 4H well pad located in Dimock Township, Susquehanna County. Department personnel were on site March 22<sup>nd</sup>, 23<sup>rd</sup>, and 24<sup>th</sup> and documented the following violations of the Clean Streams Law of Pennsylvania, 35 P.S. §691.1 *et seq.*; the Oil and Gas Act, 58 P.S. §601.101 *et seq.*; the Solid Waste Management Act, 35 P.S. §6018.101, *et seq.*; and the rules and regulations promulgated under these statutes:

1. Pits or tanks for temporary containment

The investigation revealed that black fluid originating on the [REDACTED] 2H & 4H drill pad was not properly contained in a pit or tank. This is a violation of section 78.56(a)(1) of the Department's regulations, 25 PA Code §78.56(a)(1), which provides:

"Except as provided in §§ 78.60(b) and 78.61(b) (relating to discharge requirements; and disposal of drill cuttings), the operator shall contain polluttional substances and wastes from the drilling, altering, completing, recompleting, servicing and plugging the well,

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CABOT-EPA 006324

including brines, drill cuttings, drilling muds, oils, stimulation fluids, well treatment and servicing fluids, plugging and drilling fluids other than gases in a pit, tank or series of pits and tanks.”

2. Unpermitted discharge of polluting substances.

The investigation also revealed that the black fluid originating from the [REDACTED] 2H & 4H location entered a hand dug well and a spring near the location, as well as a wetland downgradient of the spring. This is a violation of Section 401 of the Clean Streams Law, 35 P.S. §691.401, which provides:

“It shall be unlawful for any person or municipality to put or place into any of the waters of the Commonwealth, or allow or permit to be discharged from property owned or occupied by such person into any waters of the Commonwealth, any substance of any kind or character resulting in pollution as herein defined.”

A violation of the Clean Streams Law or the rules and regulations promulgated thereunder is contrary to Section 602 and 611 of that Act, for which the Department could institute administrative, civil, and/or criminal proceedings. The Act provides for up to \$10,000 per day in civil penalties and up to \$25,000 in criminal penalties for each violation. Each day of continued violation constitutes a separate offense.

A violation of the Solid Waste Management Act or the rules or regulations promulgated thereunder is contrary to Sections 601 and 610 of that Act, for which the Department could institute administrative, civil, and/or criminal proceedings. The Act provides for up to \$25,000 per day in civil penalties and up to \$25,000 in criminal penalties for each violation. Each day of continued violation constitutes a separate offense.

A violation of the Oil and Gas Act or the rules or regulations promulgated thereunder is contrary to Sections 505 and 509 of that Act, for which the Department could institute administrative, civil, and/or criminal proceedings. The Act provides for up to \$25,000 in civil penalties plus \$1,000 for each day of continued violation and up to \$5,000 in criminal penalties for each violation.

Please notify me in writing within 10 days of your receipt of this notice, as to the cause(s) of this incident, when the above listed violations were or will be corrected and what steps are being taken to prevent their recurrence. Please include any documentation to verify the efficacy of clean-up activities. Specifically, please investigate the condition of the drill pit and liner on the [REDACTED] 2H and 4H well site. The Department strongly recommends that the liner and cuttings be removed from the pit and properly disposed of, prior to restoration of the site. Please notify me once all cuttings and fluid are removed from the pit so that we can examine the condition of the liner.

This Notice of Violation is neither an order nor any other final action of the Department of Environmental Protection. It neither imposes nor waives any enforcement action available to the Department under any of its statutes. If the Department determines that an enforcement action is appropriate, you will be notified of the action.

If you have any questions concerning the above, please contact me.

Sincerely,

*Jennifer Means for Mike O'Donnell*

Michael O'Donnell  
Water Quality Specialist  
Oil and Gas Management

cc: John Ryder  
Marc B. Cooley  
Eric Rooney  
NCRO File





# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHCENTRAL REGIONAL OFFICE

## East Region Oil and Gas Management

April 29, 2010

**CERTIFIED MAIL NO. 7009 3410 0000 3618 5881**

Mr. Phil Stalnaker  
Regional Manager  
Cabot Oil & Gas Corporation  
Five Penn Center West, Suite 401  
Pittsburgh, PA 15276-0120

Dear Mr. Stalnaker:

Enclosed is an Order of the Department dated April 29, 2010, which has been issued by the Department to you.

We believe that the order is self explanatory, but if you have any questions concerning this matter, please feel free to contact me at (570) 321-6557.

Sincerely,

Jennifer W. Means  
Environmental Program Manager  
Oil and Gas Management

Enclosure

cc: File

---

208 West Third Street | Suite 101 | Williamsport, PA 17701-6448

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CABOT-EPA 006327

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

In the matter of:

Cabot Oil & Gas Corporation	:	Removal of Reserve Pit
Dimock Township	:	Located at [REDACTED] 2H and
Susquehanna County	:	[REDACTED] 4H Well Pad

**ORDER**

NOW, this April 29, 2010, the Commonwealth of Pennsylvania, Department of Environmental Protection (hereinafter "Department") has determined the following findings of fact and conclusions of law:

A. The Department is the administrative agency vested with the authority and responsibility to administer and enforce the requirements of: The Clean Streams Law, Act of June 22, 1937, P.L. 1987, as amended, 35 P.S. § 691.1 et seq. (hereinafter "Clean Streams Law"); the Oil and Gas Act, Act of December 19, 1984, P.L. 1140, No. 223, as amended, 58 P.S. § 601.101 et seq. (hereinafter "Oil and Gas Act"); Section 1917-A of the Administrative Code, Act of April 9, 1929, P.L. 177, as amended, 71 P.S. § 510-17 (hereinafter "Administrative Code"); and the rules and regulations promulgated thereunder.

B. Cabot Oil & Gas Corporation (hereinafter "Cabot Oil & Gas Corporation") is a Delaware corporation authorized to do business in Pennsylvania which maintains a business address of Five Penn Center West, Suite 401, Pittsburgh, Pennsylvania 15276-0120.

C. Section 601.103 of the Oil and Gas Act, 58 P.S. § 601.103, defines, in relevant part, a "[p]erson" to be "[a]ny individual, association, partnership, corporation, ... or other legal entity."

D. Section 1 of the Clean Streams Law, 35 P.S. § 691.1, defines, in relevant part, a "[p]erson" to be "... any natural person, partnership, association or corporation ...."

E. Cabot Oil & Gas Corporation constitutes a "person" as defined by Section 601.103, of the Oil and Gas Act, 58 P.S. § 601.103, and Section 1 of the Clean Streams Law, 35 P.S. § 691.1.

F. Section 601.103 of the Oil and Gas Act, 58 P.S. § 601.103, defines, in relevant part, an "[o]wner" to be "[a]ny person who owns, manages, leases, controls or possesses any well ...."

CABOT-EPA 006328

G. Section 601.103 of the Oil and Gas Act, 58 P.S. § 601.103, defines, in relevant part, a "[w]ell" to be "[a] bore hole drilled ... for the purpose of or to be used for producing, extracting or injecting any gas, petroleum or other liquid related to oil or gas production or storage, ..., but excluding bore holes drilled to produce potable water to be used as such."

H. Section 601.103 of the Oil and Gas Act, 58 P.S. § 601.103, defines, in relevant part, a "[w]ell operator" to be "[t]he person designated as the well operator ... on the permit application or well registration."

I. Cabot Oil & Gas Corporation constitutes an "owner" and a "well operator" as defined by Section 601.103 of the Oil and Gas Act, 58 P.S. § 601.103.

J. Cabot Oil & Gas Corporation is the "owner" and "operator", as those terms are defined in Section 103 of the Oil and Gas Act, 58 P.S. § 601.103, of the [REDACTED] 2H authorized by permit 37-115-20149-00 (hereinafter "[REDACTED] 2H"), and the [REDACTED] 4H authorized by permit 37-115-20222-00 (hereinafter "[REDACTED] 4H"), both located in Dimock Township, Susquehanna County, Pennsylvania.

K. On March 17, 2010, the Department observed tanker trucks emptying a black fluid (hereinafter "black fluid") directly into a reserve pit (hereinafter "reserve pit") located on the well pad housing both the [REDACTED] 2H and the [REDACTED] 4H. No drilling or hydro-fracturing activities were taking place at either the [REDACTED] 2H or the [REDACTED] 4H on this date.

L. On March 21, 2010, the Department received a telephone report from Cabot Oil & Gas Corporation describing the presence of a black fluid observed in a ditch near the well pad housing both the [REDACTED] 2H and the [REDACTED] 4H.

M. In response to the reported presence of a black fluid in a ditch near the well pad housing both the [REDACTED] 2H and the [REDACTED] 4H, on March 21, 2010, Cabot Oil & Gas Corporation dispatched a vacuum truck to remove the black fluid from the ditch and a nearby hand dug well. Additionally, Cabot Oil & Gas Corporation constructed a shallow sump within a drainage swale to intercept the black fluid flowing towards the drainage ditch and continuously pump the black fluid to the vacuum truck.

N. On March 22, 23 and 24, 2010, the Department inspected the reported black fluid in a ditch near the well pad housing both the [REDACTED] 2H and the [REDACTED] 4H. The Department observed the black fluid in the reserve pit. Tears in the liner of the reserve pit had allowed the black fluid to discharge from the reserve pit. Black fluid was subsequently observed in an adjacent ditch and a nearby hand dug well and spring.

O. On April 8, 2010, the Department issued a Notice of Violation (hereinafter "NOV") to Cabot Oil & Gas Corporation in response to the events described in Paragraphs K through N, above. The NOV requested, in part, that Cabot Oil & Gas Corporation remove all cuttings and fluids from the reserve pit. Further, the NOV requested that Cabot Oil & Gas Corporation notify the Department upon the completion of the cuttings and fluids removal from the reserve pit such that the Department could then adequately inspect the condition of the liner placed in the reserve pit.

P. Section 1 of the Clean Streams Law 35 P.S. § 691.1, defines, in relevant part, "[p]ollution" to mean "contamination of any waters of the Commonwealth such as will create or is likely to create a nuisance or to render such waters harmful, detrimental or injurious to public health, safety or welfare, or to domestic, ..., or other legitimate beneficial uses, ..., including but not limited to such contamination by alteration of the physical, chemical or biological properties of such waters, or change in temperature, taste, color or odor thereof, or the discharge of any liquid, gaseous, ..., solid or other substances into such waters."

Q. Section 401 of the Clean Streams Law 35 P.S. § 691.401, states, in relevant part, "PROHIBITION AGAINST OTHER POLLUTIONS. It shall be unlawful for any person ... to put or place into any of the waters of the Commonwealth, or allow or permit to be discharged from property ... occupied by such person ... into any of the waters of the Commonwealth, any substance of any kind or character resulting in pollution as herein defined. Any such discharge is hereby declared to be a nuisance."

R. Section 78.56(a)(1) of the Department's Rules and Regulations, 25 Pa. Code § 78.56(a)(1), states, in relevant part, "Pits and tanks for temporary containment. (a) Except as provided in §§ 78.60(b) and 78.61(b) (relating to discharge requirements; and disposal of drill cuttings), the operator shall contain polluttional substances and wastes from the drilling, altering, completing, recompleting, servicing and plugging the well, including brines, drill cuttings, drilling muds, oils, stimulation fluids, well treatment and servicing fluids, plugging and drilling fluids other than gases in a pit, ... or series of pits .... The operator shall install or construct and maintain the pit, ... or series of pits ... in accordance with the following requirements: (1) The pit, ... or series of pits ... shall be constructed and maintained ... to contain all polluttional substances and wastes which are used or produced during drilling, ..., [and] completing ... the well."

S. As of the date of this Order, Cabot Oil & Gas Corporation has not completed the cuttings and fluids removal from the reserve pit such that the Department can adequately inspect the condition of the liner placed in the reserve pit. Cabot Oil & Gas Corporation has also not adequately addressed the black fluid discharge from the reserve pit as requested in Paragraph O, above.

T. The black fluid discharge to the ditch, the hand dug well, and the spring from the reserve pit located on the well pad housing both the [REDACTED] 2H and the [REDACTED] 4H constitutes "pollution" as defined in Section 1 of the Clean Streams Law, 35 P.S. § 691.1, and violates Section 401 of the Clean Streams Law 35 P.S. § 691.401.

U. The failure to contain the black fluid in the reserve pit located on the well pad housing both the [REDACTED] 2H and the [REDACTED] 4H violates Section 78.56(a)(1) of the Department's Rules and Regulations, 25 Pa. Code § 78.56(a)(1).

V. The conditions described above constitute unlawful conduct under Section 611 of the Clean Streams Law, 35 P.S. §§ 691.611; and Section 509 of the Oil and Gas Act, 58 P.S. § 601.509; and a statutory nuisance under Section 601 of the Clean Streams Law, 35 P.S. §§ 691.601; and Section 502 of the Oil and Gas Act, 58 P.S. § 601.502.

NOW, THEREFORE, under the authority of Section 5 of the Clean Streams Law, 35 P.S. §§ 691.5; Section 503 of the Oil and Gas Act, 58 P.S. § 503; and Section 1917-A of the Administrative Code of 1929, 71 P.S. § 510-17, it is hereby **ORDERED** that:

1. Cabot Oil & Gas Corporation shall, within three (3) calendar days of receipt of this Order, remove all cuttings and fluids from the reserve pit.
2. Cabot Oil & Gas Corporation shall, within seven (7) calendar days of receipt of this Order, commence with the final closure and removal of the reserve pit.
3. Cabot Oil & Gas Corporation shall, within fourteen (14) calendar days of receipt of this Order, complete the final closure and removal of the reserve pit.
4. Cabot Oil & Gas Corporation shall simultaneously notify the Department of the date upon which each of the tasks described in Paragraphs 1 through 3, above are initiated and/or completed such that the Department can then adequately inspect the condition of the liner placed in the reserve pit and oversee the final closure and removal of the reserve pit.
5. Cabot Oil & Gas Corporation shall, within eighteen (18) calendar days of receipt of this Order, submit to the Department a letter describing the completion of the final closure and removal of the reserve pit.
6. Cabot Oil & Gas Corporation shall, within seven (7) calendar days of receipt of this Order, submit to the Department for review and approval a full and thorough Site Characterization work plan detailing all tasks necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and surface water in the areas surrounding the well pad housing both the [REDACTED] 2H and the [REDACTED] 4H.
7. Cabot Oil & Gas Corporation shall, within thirty (30) calendar days of receipt of this Order, complete those tasks needed to conduct a full and thorough Site Characterization as necessary to define the horizontal and vertical extent of contamination in soil, groundwater, and surface water. Such investigation should include, but not be limited to, the taking of appropriate soil samples and placement of monitoring wells.
8. Cabot Oil & Gas Corporation shall, within forty-five (45) calendar days of receipt of this Order, submit to the Department a Site Characterization Report setting forth the results of its investigation and analysis. If necessary, the Department shall comment, in writing, on the report and, within fifteen (15) days of receipt of the Department's comments, Cabot Oil & Gas Corporation shall address the Department's comments and submit a revised report to the Department responding to the comments.
9. Cabot Oil & Gas Corporation shall, within fifteen (15) calendar days of submission to the Department of the Site Characterization Report, as described in Paragraph 8, above, submit to the Department a work plan outlining proposals for remediation of any soil, groundwater, and surface water contamination as identified in the Site Characterization Report in accordance with the Land Recycling Program Regulations, 25 Pa. Code Chapter 250 and setting forth a schedule

for initiation and completion dates. If the plan is disapproved, Cabot Oil & Gas Corporation shall modify the plan, incorporate the Department's comments, and submit a revised plan to the Department within fifteen (15) days. The cleanup levels set forth in the work plan for remediation of soil, groundwater, and surface water contamination shall be governed by the cleanup standards established in 25 Pa. Code Chapter 250.

10. Upon approval of the work plan by the Department, Cabot Oil & Gas Corporation shall implement the remediation activities outlined in the work plan. Cabot Oil & Gas Corporation shall submit Quarterly Progress Reports outlining activities undertaken in the implementation of the work plan.

11. Cabot Oil & Gas Corporation shall submit a Final Report to the Department demonstrating attainment of the cleanup levels established in the work plan. The Final Report shall be submitted in accordance with Act 2, 35 P.S. §§ 6026.302, 6026.303, and/or 6026.304.

12. All correspondence with the Department regarding this Order shall be sent to:

Jennifer W. Means  
Environmental Program Manager  
East Region Oil and Gas Management  
Department of Environmental Protection  
208 West Third Street - Suite 101  
Williamsport, PA 17701-6448  
Phone: (570) 321-6557  
e-Mail: jenmeans@state.pa.us

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

FOR THE DEPARTMENT OF  
ENVIRONMENTAL PROTECTION:



Jennifer W. Means  
Environmental Program Manager

---

## APPENDIX B

---



## **APPENDIX B**

### **Site Photographs**



## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
1

**Date:**  
3/21/10

**Direction Photo Taken:**

West

**Description:**

██████ 2H/4H Well Site  
- Pump removing water  
from reserve pit on the  
██████ well pad  
following observance of  
black water.



**Photo No.**  
2

**Date:**  
3/22/10

**Direction Photo Taken:**

North

**Description:**

██████ 2H/4H Well Site  
- View of reserve pit east-  
most from the discharge  
pipe to pit from the  
██████ 2H well cellar.





CABOT-EPA 006336





## PHOTOGRAPHIC LOG

<b>Client Name:</b> Cabot Oil & Gas Corporation 		<b>Site Location:</b> [REDACTED] 2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania	<b>Project No.</b> 39938634.00018
<b>Photo No.</b> 3	<b>Date:</b> 3/22/10		
<b>Direction Photo Taken:</b> North			
<b>Description:</b> [REDACTED] 2H/4H Well Site - View of reserve pit west-most discharge pipe to pit from the [REDACTED] 4H well cellar.			

<b>Photo No.</b> 4	<b>Date:</b> 3/22/10	
<b>Direction Photo Taken:</b> North		
<b>Description:</b> [REDACTED] 2H/4H Well Site - View of reserve pit perforation in liner above water mark west of discharge pipes.		

CABOT-EPA 006337





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
5**Date:**  
3/24/10**Direction Photo Taken:**

North

**Description:**

██████ 2H/4H Well Site  
- View of eastern corner  
of reserve pit – Sample  
██████ 01 location.

**Photo No.**  
6**Date:**  
3/24/10**Direction Photo Taken:**

North

**Description:**

██████ 2H/4H Well  
Site– Reserve pit drilling  
mud – ██████ 02 sample  
location.



CABOT-EPA 006338





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**

7

**Date:**

3/22/10

**Direction Photo Taken:**

Southeast

**Description:**

Active seep to drainage  
swale along west side of  
SR 29. Seep is a  
continuation of seep that  
begins along access road  
to ████████ 2H/4H well  
pad and passes beneath  
Mr. ████████ Barn.

**Photo No.**

8

**Date:**

3/21/10

**Direction Photo Taken:**

North

**Description:**

Drainage swale on  
Mr. ████████ property  
along SR 29 following  
observance of black  
water.



CABOT-EPA 006339





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
9**Date:**  
3/22/10**Direction Photo Taken:**

South

**Description:**

Shallow, hand-dug well  
on Mr. [REDACTED]  
property. [REDACTED] 07  
sample location.

**Photo No.**  
10**Date:**  
3/21/10**Direction Photo Taken:**

Northeast

**Description:**

Vac truck removing water  
from shallow, hand dug  
well on Mr. [REDACTED]  
property along SR 29  
following observance of  
black water.



CABOT-EPA 006340





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
11**Date:**  
3/24/10**Direction Photo Taken:**

Down

**Description:**

Area of overland seepage  
between Mr. [REDACTED] [REDACTED]  
shallow well and drainage  
swale. HIB2H-10 sample  
location.

**Photo No.**  
12**Date:**  
3/24/10**Direction Photo Taken:**

Southwest

**Description:**

Southernmost  
(upgradient) sump area —  
seep downgradient of  
Mr. [REDACTED] [REDACTED] shallow,  
hand dug well. HIB2H-  
11 sample location.



CABOT-EPA 006341





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
13**Date:**  
3/24/10**Direction Photo Taken:**

East

**Description:**

Southernmost  
(upgradient) sump area –  
seep downgradient of  
Mr. ██████ shallow,  
hand dug well. ██████ 2H-  
11 sample location.

**Photo No.**  
14**Date:**  
3/24/10**Direction Photo Taken:**

West

**Description:**

Active seep to drainage  
swale along west side of  
SR 29. Seep is  
continuation of seep that  
begins along access road  
to the ██████ 2H/4H  
well pad and passes  
beneath Mr. ██████  
barn.



CABOT-EPA 006342





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
15**Date:**  
3/24/10**Direction Photo Taken:**

East

**Description:**

Area of overland seepage  
between Mr. [REDACTED]  
shallow, hand dug well  
and drainage swale.

**Photo No.**  
16**Date:**  
3/22/10**Direction Photo Taken:**

East

**Description:**

Drainage swale along SR  
29.



CABOT-EPA 006343





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
17**Date:**  
3/24/10**Direction Photo Taken:**

East

**Description:**

Middle sump (not actively  
pumped) within drainage  
swale along west side of  
SR 29.

**Photo No.**  
18**Date:**  
3/22/10**Direction Photo Taken:**

South

**Description:**

Northernmost  
(downgradient) sump  
within drainage swale  
along west side of SR 29.



CABOT-EPA 006344





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
19**Date:**  
3/24/10**Direction Photo Taken:**

East

**Description:**

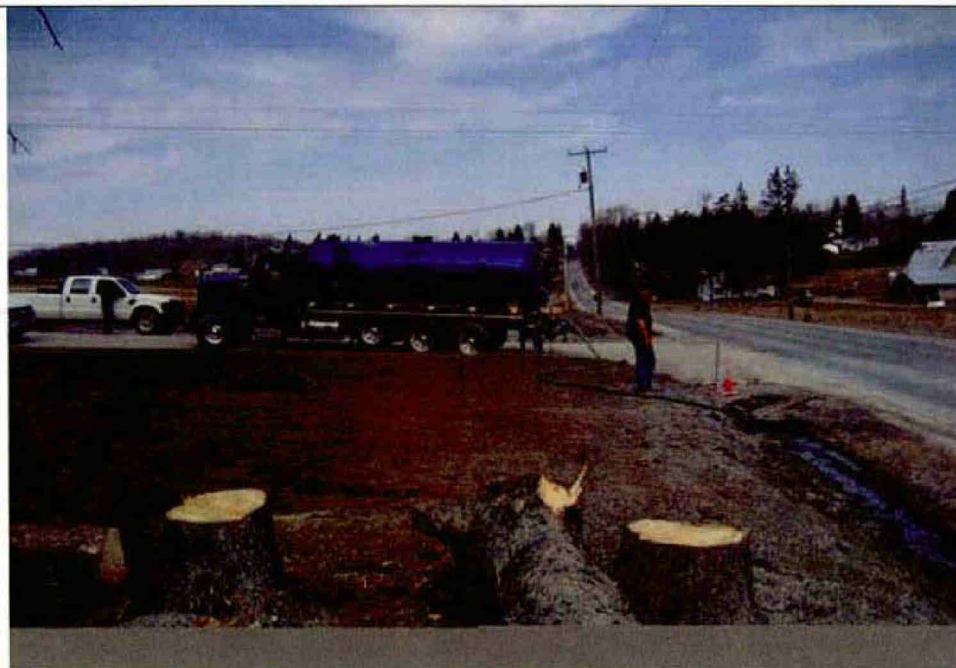
Northernmost  
(downgradient) sump  
within drainage swale  
along west side of SR 29.  
██████ 32H-08 and ██████ 2H-09  
sample locations.

**Photo No.**  
20**Date:**  
3/21/10**Direction Photo Taken:**

North

**Description:**

Vac truck removing water  
from drainage swale on  
Mr. ██████'s property  
along SR 29 following  
observance of black  
water.



CABOT-EPA 006345





## PHOTOGRAPHIC LOG

<b>Client Name:</b> Cabot Oil & Gas Corporation 		<b>Site Location:</b> [REDACTED] 2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania	<b>Project No.</b> 39938634.00018
<b>Photo No.</b> 21	<b>Date:</b> 3/24/10		
<b>Direction Photo Taken:</b> Northeast			
<b>Description:</b> Culvert on west side of SR 29 at intersection with site access road.			

<b>Photo No.</b> 22	<b>Date:</b> 3/24/10	
<b>Direction Photo Taken:</b> West		
<b>Description:</b> Active storm drain to drainage swale along west side of SR 29.		

CABOT-EPA 006346





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
23**Date:**  
3/25/10**Direction Photo Taken:**

Northwest

**Description:**

Culvert on west side of  
SR 29 at intersection with  
site access road. No flow  
observed entering culvert.

**Photo No.**  
24**Date:**  
3/25/10**Direction Photo Taken:**

Northwest

**Description:**

Drainage culvert on east  
side of SR 29 discharging  
to field upgradient of un-  
named tributary to  
Burdick Creek. 2H-  
19 and 2H-20 sample  
locations.





CABOT-EPA 006347





## PHOTOGRAPHIC LOG

<b>Client Name:</b> Cabot Oil & Gas Corporation 		<b>Site Location:</b> [REDACTED] 2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania	<b>Project No.</b> 39938634.00018
<b>Photo No.</b> 25	<b>Date:</b> 3/25/10		
<b>Direction Photo Taken:</b> West			
<b>Description:</b> Drainage area west of unnamed tributary to Burdick Creek looking towards Mr. [REDACTED] residence.			

<b>Photo No.</b> 26	<b>Date:</b> 3/25/10	
<b>Direction Photo Taken:</b> West		
<b>Description:</b> Close up of previous frame.		





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
27**Date:**  
3/25/10**Direction Photo Taken:**

West

**Description:**

Drainage area within field  
leading to un-named  
tributary to Burdick Creek  
where black material was  
observed. ██████ 2H-18  
sample location.

**Photo No.**  
28**Date:**  
3/25/10**Direction Photo Taken:**

Northeast

**Description:**

Un-named tributary to  
Burdick Creek upgradient  
sampling location.  
██████ 2H-14 and ██████ 2H-15  
sample locations.



CABOT-EPA 006349





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
29**Date:**  
3/24/10**Direction Photo Taken:**

Down

**Description:**

Deep well in barn on Mr.  
property.  
12 sample  
location.

**Photo No.**  
30**Date:**  
3/24/10**Direction Photo Taken:**

NA

**Description:**

Pump and pressure vessel  
connected to shallow well  
in basement of Mrs.  
house. 2H-  
13 sample location.



CABOT-EPA 006350





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
31**Date:**  
3/23/10**Direction Photo Taken:**

Southeast

**Description:**

Shallow well on  
Mrs. [REDACTED]  
property. [REDACTED] 03 Sample  
location.

**Photo No.**  
32**Date:**  
3/25/10**Direction Photo Taken:**

Southeast

**Description:**

Erosion eels installed to  
prevent migration of  
black sediment in seep  
downgradient of  
Mrs. [REDACTED]'s  
shallow well.



CABOT-EPA 006351





## PHOTOGRAPHIC LOG

<b>Client Name:</b> Cabot Oil & Gas Corporation 		<b>Site Location:</b> [REDACTED] 2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania	<b>Project No.</b> 39938634.00018
<b>Photo No.</b> 33	<b>Date:</b> 3/25/10		
<b>Direction Photo Taken:</b> Down			
<b>Description:</b> Erosion eels installed to prevent migration of black sediment in seep downgradient of Mrs. Ellen Hibbard's shallow well. [REDACTED] 2H-21 and [REDACTED] 2H-22 sampling locations.			

<b>Photo No.</b> 34	<b>Date:</b> 3/25/10	
<b>Direction Photo Taken:</b> South		
<b>Description:</b> Earthen dam constructed to prevent seep downgradient of Mrs. [REDACTED] [REDACTED] shallow well from discharging to Mr. [REDACTED]'s pond.		

CABOT-EPA 006352





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

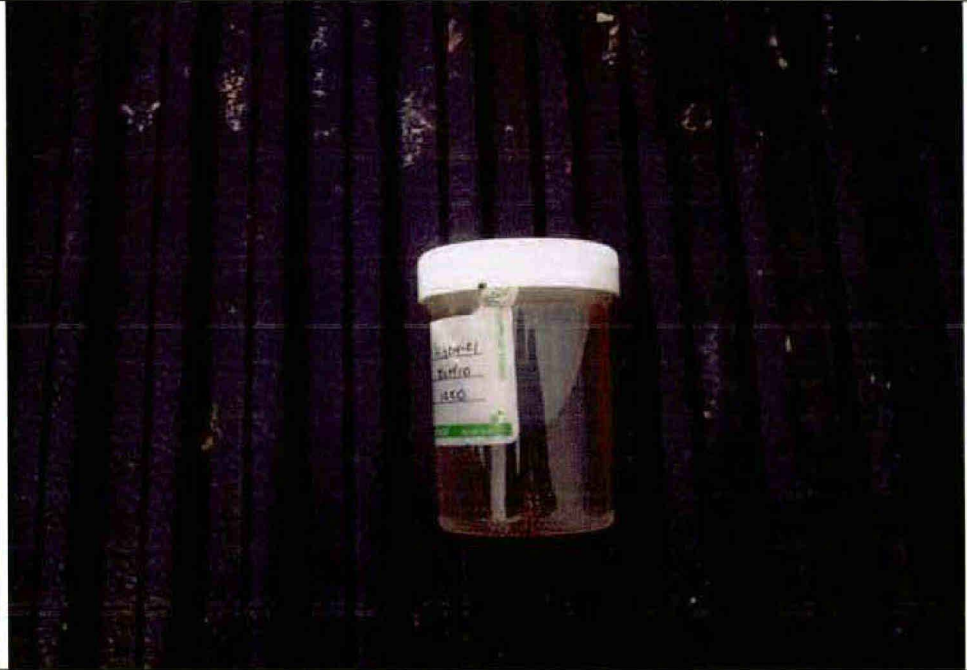
39938634.00018

**Photo No.**  
35**Date:**  
3/25/10**Direction Photo Taken:**

N/A

**Description:**

2H-21 sample –  
relatively clear with  
presence of fine black  
suspended solids.

**Photo No.**  
36**Date:**  
3/23/10**Direction Photo Taken:**

West

**Description:**

Shallow well on  
Mr. [REDACTED] property.  
[REDACTED] 04 sample  
location.



CABOT-EPA 006353





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
37**Date:**  
3/23/10**Direction Photo Taken:**

East

**Description:**

Seep emanating from  
shallow well to pond on  
Mr. [REDACTED] property.

**Photo No.**  
38**Date:**  
3/23/10**Direction Photo Taken:**

Northeast

**Description:**

Pond on Mr. [REDACTED]  
property.



CABOT-EPA 006354





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
39**Date:**  
4/30/10**Direction Photo Taken:**

Northwest

**Description:**

2H/4H Well Site  
– Workers draining  
residual liquid /drilling  
mud from the reserve pit  
as removal activities  
begin.

**Photo No.**  
40**Date:**  
4/30/10**Direction Photo Taken:**

Northwest

**Description:**

2H/4H Well  
Site– After free liquids  
were removed from the  
reserve pit, hay and  
limestone were mixed  
with the drilling mud to  
absorb as much of the  
remaining water as  
practicable so that the  
material could be  
removed and placed in  
lined roll-off boxes.



CABOT-EPA 006355





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
41**Date:**  
4/30/10**Direction Photo Taken:**

Southeast

**Description:**

██████ 2H/4H Well Site  
– Mixing of hay with the  
residual drilling mud to  
thicken so that the  
material can be removed  
from the reserve pit and  
stored in lined roll offs for  
subsequent off-site  
disposal.

**Photo No.**  
42**Date:**  
4/30/10**Direction Photo Taken:**

Northwest

**Description:**

██████ 2H/4H Well Site  
– After mixing with hay,  
thickened material could  
be removed from the  
reserve pit using  
excavators.



CABOT-EPA 006356



## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
43**Date:**  
4/30/10**Direction Photo Taken:**

East

**Description:**

2H/4H Well Site  
– Vac truck used to  
remove residual liquids  
and drilling mud from the  
reserve pit.

**Photo No.**  
44**Date:**  
4/30/10**Direction Photo Taken:**

Northeast

**Description:**

2H/4H Well Site  
– Excavator loading  
material from the reserve  
pit into lined roll off  
boxes for subsequent off-  
site disposal.



CABOT-EPA 006357

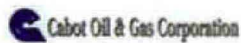




## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
45**Date:**  
4/30/10**Direction Photo Taken:**

Southwest

**Description:**

██████ 2H/4H Well Site  
– Consistency of material  
removed from the reserve  
pit after thickening with  
limestone and hay is a  
storable semisolid with no  
free liquids.

**Photo No.**  
46**Date:**  
5/1/10**Direction Photo Taken:**

Southeast

**Description:**

██████ 2H/4H Well Site  
– To reduce the amount of  
time required to remove  
all material from the  
reserve pit, multiple  
excavators were  
employed to both mix the  
residual material in the pit  
with hay and limestone  
and remove the material  
from the pit.



CABOT-EPA 006358





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
47**Date:**  
5/1/10**Direction Photo Taken:**

East

**Description:**

██████ 2H/4H Well Site  
– Material was removed  
from the reserve pit  
starting on the far western  
end of the reserve pit and  
moving to the east.

**Photo No.**  
48**Date:**  
5/1/10**Direction Photo Taken:**

Northeast

**Description:**

██████ 2H/4H Well Site  
– As material was being  
removed from the western  
portion of the reserve pit  
by excavators (after  
mixing with hay and  
limestone), material was  
being removed from the  
eastern portion of the  
reserve pit by super  
suckers capable of  
removing the thickened  
material remaining after  
vac trucks had removed  
all free liquids.



CABOT-EPA 006359

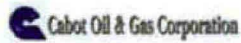




## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
49**Date:**  
5/1/10**Direction Photo Taken:**

Northwest

**Description:**

2H/4H Well Site  
– To reduce the amount of  
time required to remove  
all material from the  
reserve pit, multiple super  
suckers were employed to  
remove residual material  
from the pit.

**Photo No.**  
50**Date:**  
5/1/10**Direction Photo Taken:**

East

**Description:**

2H/4H Well Site  
– Limestone used to help  
minimize free liquids in  
material removed from  
the reserve pit.



CABOT-EPA 006360





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
51**Date:**  
5/1/10**Direction Photo Taken:**

Southeast

**Description:**

██████ 2H/4H Well Site  
– Two excavators and two  
super suckers working  
simultaneously to meet  
the deadline for material  
removal from the reserve  
pit that was imposed by  
the Pennsylvania  
Department of  
Environmental Protection.

**Photo No.**  
52**Date:**  
5/2/10**Direction Photo Taken:**

Northeast

**Description:**

██████ 2H/4H Well Site  
– The eastern-most end of  
the reserve pit shows  
water marks for previous  
levels of material that had  
been present in the  
reserve pit.



CABOT-EPA 006361





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
53**Date:**  
5/2/10**Direction Photo Taken:**

East

**Description:**

2H/4H Well Site- The western end of the reserve pit was the first area to be exposed after removal of residual material from the pit. Note holes, identified with white circles, in the black plastic reserve pit liner. Holes observed included a combination of holes that were made in the liner from rocks outside the liner when material on top pushed the liner down onto the rocks, and rocks that created holes (caused by both mechanical and hand removal of material) as the residual material was removed from the reserve pit.

**Photo No.**  
54**Date:**  
5/2/10**Direction Photo Taken:**

Northeast

**Description:**

2H/4H Well Site – Close-up view of holes in the liner described above. Note that the hole in the center of the photo is elongated and was believed to be caused by equipment during removal of residual material from the reserve pit.



CABOT-EPA 006362

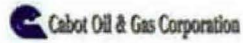




## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
55**Date:**  
5/2/10**Direction Photo Taken:**

Northeast

**Description:**

2H/4H Well Site  
– Workers removing  
residual liquids and solids  
from the reserve pit in the  
final stages of material  
removal.

**Photo No.**  
56**Date:**  
5/2/10**Direction Photo Taken:**

Northeast

**Description:**

2H/4H Well Site  
– Marking and sealing  
holes in the reserve pit  
liner to minimize impact  
to the subsurface caused  
by cleaning of the liner.



CABOT-EPA 006363





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**[REDACTED] 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania**Project No.**

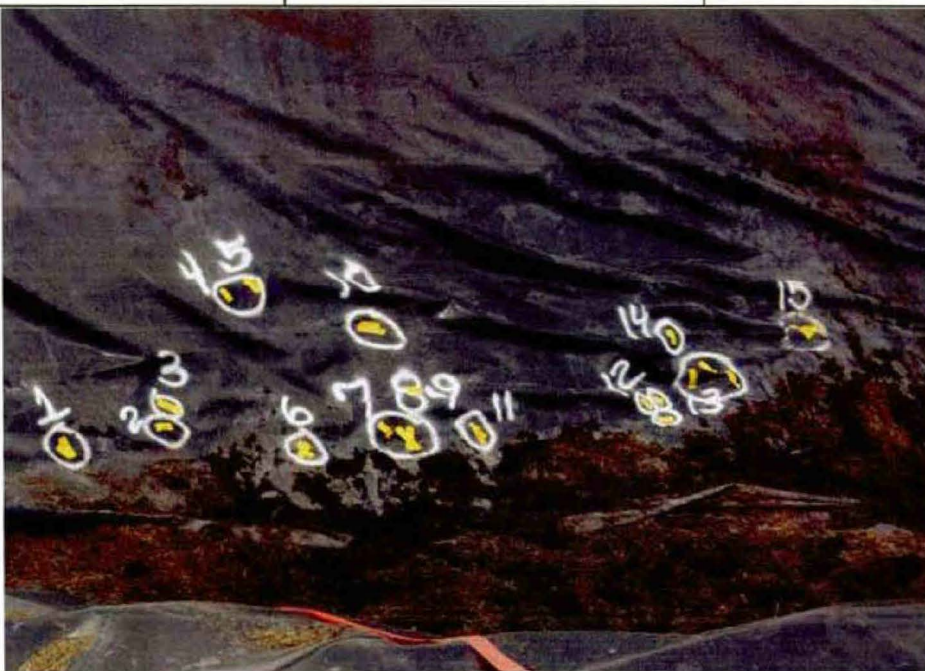
39938634.00018

**Photo No.**  
57**Date:**  
5/2/10**Direction Photo Taken:**

Northeast

**Description:**

[REDACTED] 2H/4H Well Site  
– Identified perforations  
in the liner observed at  
the west end of the  
reserve pit.

**Photo No.**  
58**Date:**  
5/2/10**Direction Photo Taken:**

West

**Description:**

[REDACTED] 2H/4H Well Site  
– Workers removing  
residual liquids and solids  
from the reserve pit using  
a super sucker.



CABOT-EPA 006364





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
59**Date:**  
5/3/10**Direction Photo Taken:**

Northwest

**Description:**

2H/4H Well Site  
– Workers power washing  
and collecting residual  
liquids and solids from  
the reserve pit as removal  
activities near completion.

**Photo No.**  
60**Date:**  
5/3/10**Direction Photo Taken:**

North

**Description:**



2H/4H Well Site  
– As removal activities  
near completion, hay  
bales are used to keep  
residual liquids and solids  
on the eastern portion of  
the reserve pit as cleaning  
operations progress from  
west to east.








## PHOTOGRAPHIC LOG

<b>Client Name:</b> Cabot Oil & Gas Corporation 		<b>Site Location:</b> [REDACTED] 2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania	<b>Project No.</b> 39938634.00018
<b>Photo No.</b> 61	<b>Date:</b> 5/3/10		
<b>Direction Photo Taken:</b> North			
<b>Description:</b> [REDACTED] 2H/4H Well Site – Residual material at the bottom/central portion of the reserve pit consisted of a cement-like material that required breaking to remove. The material was dry and acted as a barrier to prevent leaking of the pit in the area where present.			

<b>Photo No.</b> 62	<b>Date:</b> 5/3/10	
<b>Direction Photo Taken:</b> West		
<b>Description:</b> [REDACTED] 2H/4H Well Site – Night time operations. Removal of material from the reserve pit required 24 hour operations to meet the timeline required by PADEP.		

CABOT-EPA 006366



## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
63**Date:**  
5/3/10**Direction Photo Taken:**

East

**Description:**

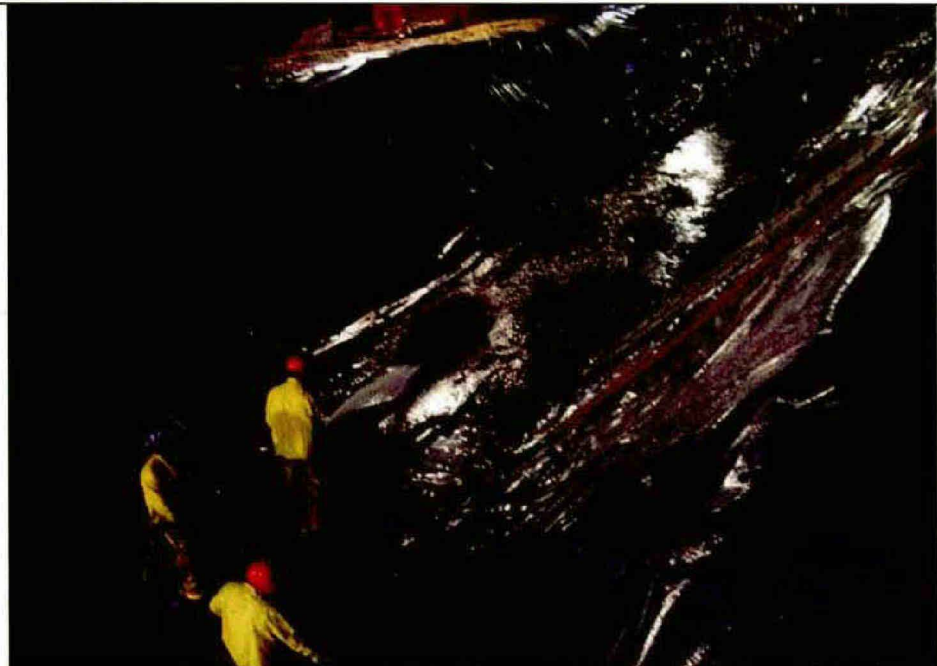
██████ 2H/4H Well Site  
– Night-time removal  
operations.

**Photo No.**  
64**Date:**  
5/3/10**Direction Photo Taken:**

East

**Description:**

██████ 2H/4H Well Site  
– Night-time removal  
operations showing  
workers washing material  
from the base of the  
reserve pit liner moving  
the material from west to  
east.



CABOT-EPA 006367





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
65**Date:**  
5/3/10**Direction Photo Taken:**

East

**Description:**

2H/4H Well Site  
– Night-time removal  
operations showing  
workers washing material  
from the base of the  
reserve pit liner moving  
the material from west to  
east.

**Photo No.**  
66**Date:**  
5/3/10**Direction Photo Taken:**

East

**Description:**

2H/4H Well Site  
– Night-time removal  
operations showing  
workers washing material  
from the base of the  
reserve pit liner moving  
the material from west to  
east.





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
67**Date:**  
5/3/10**Direction Photo Taken:**

East

**Description:**

2H/4H Well Site  
—Final stages of removal  
of residual solids and  
liquids from the reserve  
pit. Workers are  
removing as much solids  
from the pit to the bucket  
of an excavator to  
facilitate removal.

**Photo No.**  
68**Date:**  
5/4/10**Direction Photo Taken:**

West

**Description:**

2H/4H Well Site  
— Final stage of cleaning  
of the reserve pit liner in  
the western portion of the  
reserve pit.





CABOT-EPA 006369





## PHOTOGRAPHIC LOG

<b>Client Name:</b> Cabot Oil & Gas Corporation 		<b>Site Location:</b> [REDACTED] 2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania	<b>Project No.</b> 39938634.00018
<b>Photo No.</b> 69	<b>Date:</b> 5/4/10		
<b>Direction Photo Taken:</b> East			
<b>Description:</b> [REDACTED] 2H/4H Well Site – Final stage of cleaning of the reserve pit liner in the western portion of the reserve pit.			

<b>Photo No.</b> 70	<b>Date:</b> 5/4/10	
<b>Direction Photo Taken:</b> Northwest		
<b>Description:</b> [REDACTED] 2H/4H Well Site – Final stage of cleaning of the reserve pit liner in the western portion of the reserve pit.		





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
71**Date:**  
5/4/10**Direction Photo Taken:**

South

**Description:**

2H/4H Well Site  
– Accordion tear in the  
liner caused by the bucket  
of the excavator during  
removal of material from  
the reserve pit.

**Photo No.**  
72**Date:**  
5/4/10**Direction Photo Taken:**

Northwest

**Description:**

2H/4H Well Site–  
Perforations in the liner were  
observed to range from  
pinholes, as indicated in this  
photograph, to larger (several  
inches across), that are  
believed to have been caused  
by rock fragments below the  
liner. As material was placed  
in the pit, the weight of the  
overlying material pressed  
down on these rocks and  
caused the perforations in the  
liner. The geotextile below  
the plastic liner and the hay  
layer below the geotextile  
appeared to be minimally  
impacted by released material.







## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**[REDACTED] 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania**Project No.**

39938634.00018

**Photo No.**

73

**Date:**

5/4/10

**Direction Photo Taken:**

South

**Description:**

[REDACTED] 2H/4H Well Site  
– Accordion tear in the  
liner caused by the bucket  
of the excavator during  
removal of material from  
the reserve pit.

**Photo No.**

74

**Date:**

5/4/10

**Direction Photo Taken:**

South

**Description:**

[REDACTED] 2H/4H Well Site  
– Accordion tear in the  
liner caused by the bucket  
of the excavator during  
removal of material from  
the reserve pit.







## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
75**Date:**  
5/4/10**Direction Photo Taken:**

Down

**Description:**

2H/4H Well Site  
– Tear in the liner and  
geotextile and hay  
beneath the geotextile.  
The hay appears brown in  
color indicating minimal  
impact from the black  
mud from the reserve pit.

**Photo No.**  
76**Date:**  
5/4/10**Direction Photo Taken:**

East

**Description:**

2H/4H Well Site  
– Final inspection of the  
reserve pit liner before  
removal of the liner and  
geotextile. PADEP  
representatives are on-site  
to observe operations and  
site conditions.




CABOT-EPA 006373





## PHOTOGRAPHIC LOG

<b>Client Name:</b> Cabot Oil & Gas Corporation 		<b>Site Location:</b> [REDACTED] 2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania	<b>Project No.</b> 39938634.00018
--	--	---	--------------------------------------

<b>Photo No.</b> 77	<b>Date:</b> 5/4/10
<b>Direction Photo Taken:</b>  Northeast	
<b>Description:</b>  [REDACTED] 2H/4H Well Site – Initial stages of liner removal from the reserve pit, beginning at the eastern edge of the pit.	

A photograph showing a large-scale construction or remediation project. In the foreground and middle ground, a large area is covered with a wrinkled black plastic liner. A yellow excavator with a large bucket is positioned on the right side of the frame, appearing to be in the process of removing or moving the liner. To the left of the excavator, two workers wearing hard hats and high-visibility vests are standing on a dirt path. The background consists of a dense line of green trees under a clear sky. The overall scene suggests the initial stages of liner removal from a reserve pit.

Photo No. 78	Date: 5/4/10
Direction Photo Taken:  Northeast	
Description:  [REDACTED] 2H/4H Well Site – Initial stages of liner removal from the reserve pit, beginning at the eastern edge of the pit.	







## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
79**Date:**  
5/4/10**Direction Photo Taken:**

Northwest

**Description:**

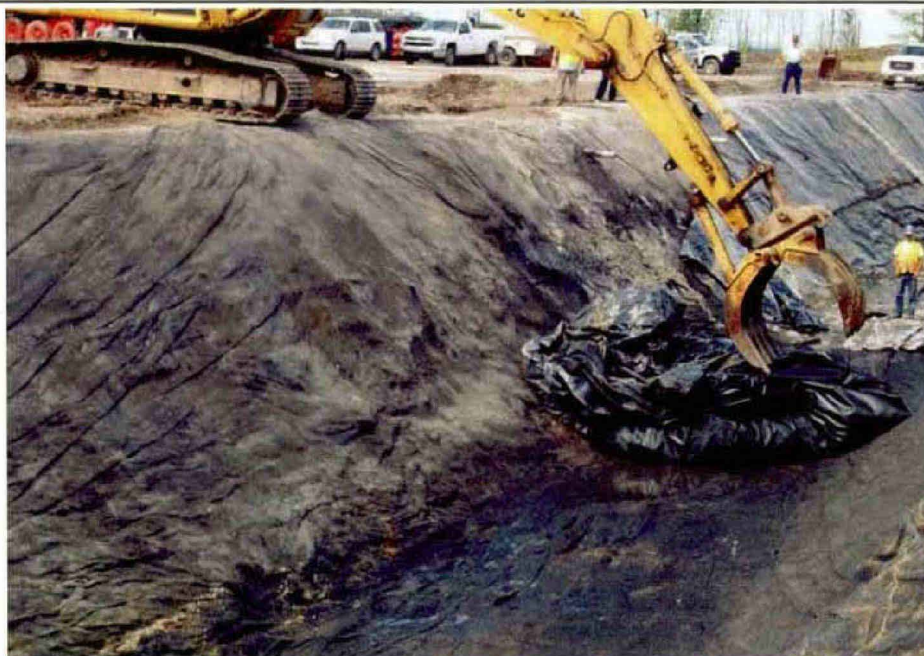
2H/4H Well Site  
- Liner removal from the  
reserve pit progressing  
from the east to the west.

**Photo No.**  
80**Date:**  
5/4/10**Direction Photo Taken:**

Southwest

**Description:**

2H/4H Well Site  
- The liner was removed  
from the pit in three  
sections, progressing from  
east to west. As each  
section was removed, it  
was loaded into a roll-off  
for subsequent disposal.



CABOT-EPA 006375





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
81**Date:**  
5/4/10**Direction Photo Taken:**

West

**Description:**

██████ 2H/4H Well Site  
– The liner was removed  
from the pit in three  
sections, progressing from  
east to west. As each  
section was removed, it  
was loaded into a roll-off  
for subsequent disposal.

**Photo No.**  
82**Date:**  
5/4/10**Direction Photo Taken:**

West

**Description:**

██████ 2H/4H Well Site  
– As each section was  
removed, it was loaded  
into a roll-off for  
subsequent disposal.



CABOT-EPA 006376





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
83**Date:**  
5/4/10**Direction Photo Taken:**

South

**Description:**

2H/4H Well Site  
– View of the geotextile  
below the plastic liner in  
the eastern portion of the  
pit.

**Photo No.**  
84**Date:**  
5/4/10**Direction Photo Taken:**

East

**Description:**

2H/4H Well Site  
– View of the hay beneath  
the geotextile in the  
eastern portion of the pit.



CABOT-EPA 006377





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
85**Date:**  
5/4/10**Direction Photo Taken:**

Southeast

**Description:**

██████ 2H/4H Well Site  
– The geotextile was  
removed from the pit in  
three sections,  
progressing from east to  
west. As each section  
was removed, it was  
loaded into a roll-off for  
subsequent disposal and  
the hay layer beneath the  
geotextile was inspected.

**Photo No.**  
86**Date:**  
5/3/10**Direction Photo Taken:**

Southeast

**Description:**

██████ 2H/4H Well Site  
– The geotextile was  
removed from the pit in  
three sections,  
progressing from east to  
west. As each section  
was removed, it was  
loaded into a roll-off for  
subsequent disposal and  
the hay layer beneath the  
geotextile was inspected.



CABOT-EPA 006378





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
87**Date:**  
5/3/10**Direction Photo Taken:**

South

**Description:**

2H/4H Well Site  
– The hay below the  
geotextile was observed  
to be impacted from  
released material from the  
pit (black areas in the  
hay).

**Photo No.**  
88**Date:**  
5/4/10**Direction Photo Taken:**

South

**Description:**

2H/4H Well Site  
– The hay below the  
geotextile was observed  
to be impacted from  
released material from the  
pit (black areas in the  
hay).



CABOT-EPA 006379





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation



Cabot Oil &amp; Gas Corporation

**Site Location:**

██████ 2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
89**Date:**  
5/4/10**Direction Photo Taken:**

Southeast

**Description:**

██████ 2H/4H Well Site  
– The hay below the  
geotextile was observed  
to be impacted from  
released material from the  
pit (black areas in the  
hay).

**Photo No.**  
90**Date:**  
5/4/10**Direction Photo Taken:**

Northwest

**Description:**

██████ 2H/4H Well Site  
– The 13 most impacted  
areas of hay were selected  
by URS and PADEP for  
sampling and analysis to  
evaluate for subsurface  
impacts. URS pulled  
back the hay and sampled  
the soil immediately  
beneath the hay to  
evaluate for potential  
impacts.







## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
91**Date:**  
5/4/10**Direction Photo Taken:**

Northwest

**Description:**

2H/4H Well Site  
– PADEP representatives  
inspected some of the  
sites selected. This site  
was of concern due to the  
fact that a fracture in  
exposed bedrock was  
present (trending N 80 E).

**Photo No.**  
92**Date:**  
5/4/10**Direction Photo Taken:**

Southeast

**Description:**

2H/4H Well Site  
– A close-up view of  
exposed fracture in the  
photograph above. *De  
minimis* staining is  
observed along the  
fracture indicating that  
insufficient material had  
been released to coat the  
entire surface of the  
fracture, indicating only a  
minor amount of material  
had been released from  
the pit.





CABOT-EPA 006381





## PHOTOGRAPHIC LOG

<b>Client Name:</b> Cabot Oil & Gas Corporation 		<b>Site Location:</b> [REDACTED] 2H/4H Well Site Vicinity; Area of Black Water Occurrence Investigation Susquehanna County, Pennsylvania	<b>Project No.</b> 39938634.00018
<b>Photo No.</b> 93	<b>Date:</b> 5/4/10		
<b>Direction Photo Taken:</b> North			
<b>Description:</b> [REDACTED] 2H/4H Well Site - A close-up view of soil immediately below sampled location [REDACTED] 2H/4H - 4. Note red color of the soil beneath the hay indicating <i>de minimis</i> staining is present, indicating that a minimal amount of material had been released from the pit.			

<b>Photo No.</b> 94	<b>Date:</b> 5/4/10	
<b>Direction Photo Taken:</b> East		
<b>Description:</b> [REDACTED] 2H/4H Well Site - Remediation of the reserve pit consisted of removal of impacted hay and soil beneath the hay with using an excavator, with subsequent off-site disposal of impacted hay and soil.		





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
95**Date:**  
5/5/10**Direction Photo Taken:**

West

**Description:**

2H/4H Well Site  
– View of remediated  
reserve pit with roll-offs  
filled with impacted  
material present to the  
south of the pit (left of the  
pit in the photograph).  
Once the pit was  
remediated, it was  
covered with plastic to  
minimize infiltration of  
precipitation.

**Photo No.**  
96**Date:**  
5/4/10**Direction Photo Taken:**

North

**Description:**

2H/4H Well Site  
– View of soil  
immediately below  
sampled location 2H/4H – 7R2. About 1.5  
cubic feet of additional  
soil was removed from  
this location and soil  
remaining was sampled to  
confirm remediation  
efforts met the Statewide  
Health Standards for all  
constituents of potential  
concern.



CABOT-EPA 006383





## PHOTOGRAPHIC LOG

**Client Name:**

Cabot Oil &amp; Gas Corporation

**Site Location:**

2H/4H Well Site Vicinity; Area  
of Black Water Occurrence Investigation  
Susquehanna County, Pennsylvania

**Project No.**

39938634.00018

**Photo No.**  
97**Date:**  
5/4/10**Direction Photo Taken:**

North

**Description:**

2H/4H Well Site  
– View of soil  
immediately below  
sampled location  
2H/4H – 12R2. About 1  
cubic feet of additional  
soil was removed from  
this location and soil  
remaining was sampled to  
confirm remediation  
efforts met the Statewide  
Health Standards for all  
constituents of potential  
concern.



CABOT-EPA 006384

APPENDIX C



## **APPENDIX C**

### **Laboratory Analytical Reports**



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

June 16, 2010

Mr. Jim Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

RE: Project: [REDACTED] 2H/4H  
Pace Project No.: 3027140

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 05, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com  
Project Manager

Enclosures

#### REPORT OF LABORATORY ANALYSIS

Page 1 of 96

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CABOT-EPA 006387



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## CERTIFICATIONS

Project [REDACTED] 2H/4H

Pace Project No.: 3027140

### Pennsylvania Certification IDs

1638 Roseytown Road Suites 2,3&4 Greensburg, PA  
15601  
Wyoming Certification # 8TMS-Q  
Wisconsin/PADEP Certification  
West Virginia Certification #: 143  
Washington Certification #: C1941  
Virginia Certification #: 00112  
Virgin Island/PADEP Certification  
Utah/NELAC Certification #: ANTE  
Texas/NELAC Certification #: T104704188-09 TX  
Tennessee Certification #: TN2867  
South Dakota Certification  
Puerto Rico Certification #: PA01457  
Pennsylvania/NELAC Certification #: 65-00282  
Oregon/NELAC Certification #: PA200002  
North Carolina Certification #: 42706  
New York/NELAC Certification # 10888  
New Mexico Certification  
New Jersey/NELAC Certification #: PA 051  
New Hampshire/NELAC Certification # 2976  
Nevada Certification  
Montana Certification #: Cert 0082  
Missouri Certification #: 235

Michigan/PADEP Certification  
Massachusetts Certification # M-PA1457  
Maryland Certification #: 308  
Maine Certification #: PA0091  
Louisiana/NELAC Certification #: LA080002  
Louisiana/NELAC Certification #: 4086  
Kentucky Certification #: 90133  
Kansas/NELAC Certification #: E-10358  
Iowa Certification #: 391  
Indiana/PADEP Certification  
Illinois/PADEP Certification  
Idaho Certification  
Hawaii/PADEP Certification  
Guam/PADEP Certification  
Florida/NELAC Certification #: E87683  
Delaware Certification  
Connecticut Certification # PH 0694  
Colorado Certification  
California/NELAC Certification #: 04222CA  
Arkansas Certification  
Arizona Certification #: AZ0734  
Alabama Certification #: 41590

## REPORT OF LABORATORY ANALYSIS

Page 2 of 96

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CABOT-EPA 006388



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project. [REDACTED] 2H/4H  
Pace Project No.: 3027140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027140001	[REDACTED] 2H/4H-1	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140002	[REDACTED] 2H/4H-1 (ASTM)	SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027140003	[REDACTED] 2H/4H-2	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140004	[REDACTED] 2H/4H-2 (ASTM)	SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027140005	[REDACTED] 2H/4H-7	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140006	[REDACTED] 2H/4H-7 (ASTM)	SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027140007	[REDACTED] 2H/4H-12	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140008	[REDACTED] 2H/4H-12 (ASTM)	SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027140009	[REDACTED] 2H/4H-11	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

Page 3 of 96

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CABOT-EPA 006389





Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027140010	[REDACTED] 2H/4H-11 (ASTM)	EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027140011	[REDACTED] 2H/4H-10	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140012	[REDACTED] 2H/4H-10 (ASTM)	SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
3027140013	[REDACTED] 2H/4H-4	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
3027140014	[REDACTED] 2H/4H-4(ASTM)	SM 4500-Cl-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
3027140015	[REDACTED] 2H/4H-5	EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027140016	[REDACTED] 2H/4H-5 (ASTM)	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
3027140017	[REDACTED] 2H/4H-3	EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
3027140018	[REDACTED] 2H/4H-3(ASTM)	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
3027140019	[REDACTED] 2H/4H-6	ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
3027140019	[REDACTED] 2H/4H-6	SM 4500-Cl-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027140020	[REDACTED] 2H/4H-6 (ASTM)	EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027140021	[REDACTED] 2H/4H-8	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027140022	[REDACTED] 2H/4H-8 (ASTM)	SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
3027140023	[REDACTED] 2H/4H-9	EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
3027140024	[REDACTED] 2H/4H-9 (ASTM)	SM 4500-Cl-E	DJT	1	PASI-PA

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## ANALYTICAL RESULTS

Project: 2H/4H  
Pace Project No.: 3027140

Sample: 2H/4H-1 Lab ID: 3027140001 Collected: 05/04/10 13:35 Received: 05/05/10 13:40 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	12000	mg/kg	9.0	1	05/06/10 19:05	05/07/10 13:43	7429-90-5	
Antimony	0.55	mg/kg	0.45	1	05/06/10 19:05	05/07/10 13:43	7440-36-0	
Arsenic	4.2	mg/kg	0.45	1	05/06/10 19:05	05/07/10 13:43	7440-38-2	
Barium	506	mg/kg	1.8	1	05/06/10 19:05	05/07/10 13:43	7440-39-3	
Beryllium	0.46	mg/kg	0.18	1	05/06/10 19:05	05/07/10 13:43	7440-41-7	
Boron	ND	mg/kg	4.5	1	05/06/10 19:05	05/07/10 13:43	7440-42-8	
Cadmium	ND	mg/kg	0.18	1	05/06/10 19:05	05/07/10 13:43	7440-43-9	
Calcium	2490	mg/kg	179	1	05/06/10 19:05	05/07/10 13:43	7440-70-2	
Chromium	13.9	mg/kg	0.45	1	05/06/10 19:05	05/07/10 13:43	7440-47-3	
Cobalt	12.0	mg/kg	0.90	1	05/06/10 19:05	05/07/10 13:43	7440-48-4	
Copper	26.5	mg/kg	0.90	1	05/06/10 19:05	05/07/10 13:43	7440-50-8	
Iron	24700	mg/kg	9.0	1	05/06/10 19:05	05/07/10 13:43	7439-89-6	
Lead	1.6	mg/kg	0.45	1	05/06/10 19:05	05/07/10 13:43	7439-92-1	
Magnesium	4840	mg/kg	44.8	1	05/06/10 19:05	05/07/10 13:43	7439-95-4	
Manganese	373	mg/kg	0.90	1	05/06/10 19:05	05/07/10 13:43	7439-96-5	
Molybdenum	ND	mg/kg	1.8	1	05/06/10 19:05	05/07/10 13:43	7439-98-7	
Nickel	21.1	mg/kg	1.8	1	05/06/10 19:05	05/07/10 13:43	7440-02-0	
Potassium	1940	mg/kg	44.8	1	05/06/10 19:05	05/07/10 13:43	7440-09-7	
Selenium	ND	mg/kg	0.45	1	05/06/10 19:05	05/07/10 13:43	7782-49-2	
Silver	ND	mg/kg	0.18	1	05/06/10 19:05	05/07/10 13:43	7440-22-4	
Sodium	ND	mg/kg	448	1	05/06/10 19:05	05/07/10 13:43	7440-23-5	
Thallium	ND	mg/kg	1.8	1	05/06/10 19:05	05/07/10 13:43	7440-28-0	
Vanadium	13.7	mg/kg	0.90	1	05/06/10 19:05	05/07/10 13:43	7440-62-2	
Zinc	59.4	mg/kg	0.90	1	05/06/10 19:05	05/07/10 13:43	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.10	1	05/07/10 12:10	05/10/10 09:25	7439-97-6
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### 8270 MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	83-32-9
Acenaphthylene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	208-96-8
Anthracene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	120-12-7
Azobenzene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	103-33-3
Benzo(a)anthracene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	56-55-3
Benzo(a)pyrene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	50-32-8
Benzo(b)fluoranthene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	205-99-2
Benzo(g,h,i)perylene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	191-24-2
Benzo(k)fluoranthene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	207-08-9
Benzoic acid	ND	ug/kg	886	1	05/06/10 16:43	05/11/10 10:11	65-85-0
Benzyl alcohol	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	100-51-6
4-Bromophenylphenyl ether	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	101-55-3
Butylbenzylphthalate	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	85-68-7
Carbazole	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	86-74-8
4-Chloro-3-methylphenol	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	59-50-7
4-Chloroaniline	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	106-47-8

Date: 06/16/2010 08:32 AM

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(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

Sample: XXXXXXXXXX 2H/4H-1 Lab ID: 3027140001 Collected: 05/04/10 13:35 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
			Analytical Method: EPA 8270 Preparation Method: EPA 3546					
bis(2-Chloroethoxy)methane	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	108-60-1	
2-Chloronaphthalene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	91-58-7	
2-Chlorophenol	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	7005-72-3	
Chrysene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	53-70-3	
Dibenzofuran	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	120-83-2	
Diethylphthalate	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	105-67-9	
Dimethylphthalate	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	131-11-3	
Di-n-butylphthalate	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	886	1	05/06/10 16:43	05/11/10 10:11	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	886	1	05/06/10 16:43	05/11/10 10:11	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	606-20-2	
Di-n-octylphthalate	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	117-84-0	
bis(2-Ethylhexyl)phthalate	358	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	117-81-7	
Fluoranthene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	206-44-0	
Fluorene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	87-68-3	
Hexachlorobenzene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	77-47-4	
Hexachloroethane	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	193-39-5	
Isophorone	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	78-59-1	
1-Methylnaphthalene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	90-12-0	
2-Methylnaphthalene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	708	1	05/06/10 16:43	05/11/10 10:11		
Naphthalene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	91-20-3	
2-Nitroaniline	ND	ug/kg	886	1	05/06/10 16:43	05/11/10 10:11	88-74-4	
3-Nitroaniline	ND	ug/kg	886	1	05/06/10 16:43	05/11/10 10:11	99-09-2	
4-Nitroaniline	ND	ug/kg	886	1	05/06/10 16:43	05/11/10 10:11	100-01-6	
Nitrobenzene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	98-95-3	
2-Nitrophenol	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	88-75-5	
4-Nitrophenol	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	621-64-7	

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Greensburg, PA 15601  
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## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

Sample: XXXXXXXXXX 2H/4H-1 Lab ID: 3027140001 Collected: 05/04/10 13:35 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	86-30-6	
Pentachlorophenol	ND	ug/kg	886	1	05/06/10 16:43	05/11/10 10:11	87-86-5	
Phenanthrene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	85-01-8	
Phenol	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	108-95-2	
Pyrene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	886	1	05/06/10 16:43	05/11/10 10:11	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	354	1	05/06/10 16:43	05/11/10 10:11	88-06-2	
Nitrobenzene-d5 (S)	74	%	35-114	1	05/06/10 16:43	05/11/10 10:11	4165-60-0	
2-Fluorobiphenyl (S)	86	%	43-116	1	05/06/10 16:43	05/11/10 10:11	321-60-8	
Terphenyl-d14 (S)	89	%	33-141	1	05/06/10 16:43	05/11/10 10:11	1718-51-0	
Phenol-d6 (S)	76	%	10-110	1	05/06/10 16:43	05/11/10 10:11	13127-88-3	
2-Fluorophenol (S)	89	%	21-110	1	05/06/10 16:43	05/11/10 10:11	367-12-4	
2,4,6-Tribromophenol (S)	88	%	10-123	1	05/06/10 16:43	05/11/10 10:11	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	23.6	ug/kg	11.1	1	05/06/10 15:05	67-64-1	
Benzene	ND	ug/kg	5.5	1	05/06/10 15:05	71-43-2	
Bromochloromethane	ND	ug/kg	5.5	1	05/06/10 15:05	74-97-5	
Bromodichloromethane	ND	ug/kg	5.5	1	05/06/10 15:05	75-27-4	
Bromoform	ND	ug/kg	5.5	1	05/06/10 15:05	75-25-2	
Bromomethane	ND	ug/kg	5.5	1	05/06/10 15:05	74-83-9	
TOTAL BTEX	ND	ug/kg	33.3	1	05/06/10 15:05		
2-Butanone (MEK)	ND	ug/kg	11.1	1	05/06/10 15:05	78-93-3	
n-Butylbenzene	ND	ug/kg	5.5	1	05/06/10 15:05	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.5	1	05/06/10 15:05	135-98-8	
Carbon disulfide	ND	ug/kg	5.5	1	05/06/10 15:05	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.5	1	05/06/10 15:05	56-23-5	
Chlorobenzene	ND	ug/kg	5.5	1	05/06/10 15:05	108-90-7	
Chloroethane	ND	ug/kg	5.5	1	05/06/10 15:05	75-00-3	
Chloroform	ND	ug/kg	5.5	1	05/06/10 15:05	67-66-3	
Chloromethane	ND	ug/kg	5.5	1	05/06/10 15:05	74-87-3	
Dibromochloromethane	ND	ug/kg	5.5	1	05/06/10 15:05	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	5.5	1	05/06/10 15:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.5	1	05/06/10 15:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.5	1	05/06/10 15:05	106-46-7	
1,1-Dichloroethane	ND	ug/kg	5.5	1	05/06/10 15:05	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.5	1	05/06/10 15:05	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	11.1	1	05/06/10 15:05	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.5	1	05/06/10 15:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.5	1	05/06/10 15:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.5	1	05/06/10 15:05	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.5	1	05/06/10 15:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.5	1	05/06/10 15:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.5	1	05/06/10 15:05	10061-02-6	

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## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-1 Lab ID: 3027140001 Collected: 05/04/10 13:35 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	5.5	1		05/06/10 15:05	100-41-4	
2-Hexanone	ND	ug/kg	11.1	1		05/06/10 15:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.5	1		05/06/10 15:05	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.5	1		05/06/10 15:05	99-87-6	
Methylene Chloride	ND	ug/kg	5.5	1		05/06/10 15:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.1	1		05/06/10 15:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.5	1		05/06/10 15:05	1634-04-4	
Naphthalene	ND	ug/kg	5.5	1		05/06/10 15:05	91-20-3	
n-Propylbenzene	ND	ug/kg	5.5	1		05/06/10 15:05	103-65-1	
Styrene	ND	ug/kg	5.5	1		05/06/10 15:05	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.5	1		05/06/10 15:05	79-34-5	
Tetrachloroethene	ND	ug/kg	5.5	1		05/06/10 15:05	127-18-4	
Toluene	ND	ug/kg	5.5	1		05/06/10 15:05	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	5.5	1		05/06/10 15:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.5	1		05/06/10 15:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.5	1		05/06/10 15:05	79-00-5	
Trichloroethene	ND	ug/kg	5.5	1		05/06/10 15:05	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	5.5	1		05/06/10 15:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.5	1		05/06/10 15:05	108-67-8	
Vinyl chloride	ND	ug/kg	5.5	1		05/06/10 15:05	75-01-4	
Xylene (Total)	ND	ug/kg	16.6	1		05/06/10 15:05	1330-20-7	
m&p-Xylene	ND	ug/kg	11.1	1		05/06/10 15:05	179601-23-1	
o-Xylene	ND	ug/kg	5.5	1		05/06/10 15:05	95-47-6	
Toluene-d8 (S)	91	%	70-130	1		05/06/10 15:05	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130	1		05/06/10 15:05	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130	1		05/06/10 15:05	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	8.6	%	0.10	1		05/05/10 20:50		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	14.0	mg/kg	4.9	1		05/08/10 15:55	7664-41-7	

Date: 06/16/2010 08:32 AM

## REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project. [REDACTED] 2H/4H

Pace Project No.: 3027140

<b>Sample:</b> [REDACTED] 2H/4H-1 (ASTM)		<b>Lab ID:</b> 3027140002	Collected: 05/04/10 13:35		Received: 05/05/10 13:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/07/10 15:01		2c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND	mg/L	3.0	1		05/08/10 11:22	16887-00-6	

Date: 06/16/2010 08:32 AM

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project. [REDACTED] 2H/4H  
Pace Project No : 3027140

Sample: [REDACTED] 2H/4H-2 Lab ID: 3027140003 Collected: 05/04/10 13:45 Received: 05/05/10 13:40 Matrix Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	9990	mg/kg	6.8	1	05/06/10 19:05	05/07/10 13:54	7429-90-5	
Antimony	0.56	mg/kg	0.34	1	05/06/10 19:05	05/07/10 13:54	7440-36-0	
Arsenic	2.4	mg/kg	0.34	1	05/06/10 19:05	05/07/10 13:54	7440-38-2	
Barium	1100	mg/kg	1.4	1	05/06/10 19:05	05/07/10 13:54	7440-39-3	
Beryllium	0.61	mg/kg	0.14	1	05/06/10 19:05	05/07/10 13:54	7440-41-7	
Boron	4.3	mg/kg	3.4	1	05/06/10 19:05	05/07/10 13:54	7440-42-8	
Cadmium	ND	mg/kg	0.14	1	05/06/10 19:05	05/07/10 13:54	7440-43-9	
Calcium	1470	mg/kg	136	1	05/06/10 19:05	05/07/10 13:54	7440-70-2	
Chromium	13.9	mg/kg	0.34	1	05/06/10 19:05	05/07/10 13:54	7440-47-3	
Cobalt	10.3	mg/kg	0.68	1	05/06/10 19:05	05/07/10 13:54	7440-48-4	
Copper	9.7	mg/kg	0.68	1	05/06/10 19:05	05/07/10 13:54	7440-50-8	
Iron	25200	mg/kg	6.8	1	05/06/10 19:05	05/07/10 13:54	7439-89-6	
Lead	6.0	mg/kg	0.34	1	05/06/10 19:05	05/07/10 13:54	7439-92-1	
Magnesium	4270	mg/kg	34.1	1	05/06/10 19:05	05/07/10 13:54	7439-95-4	
Manganese	364	mg/kg	0.68	1	05/06/10 19:05	05/07/10 13:54	7439-96-5	
Molybdenum	ND	mg/kg	1.4	1	05/06/10 19:05	05/07/10 13:54	7439-98-7	
Nickel	22.1	mg/kg	1.4	1	05/06/10 19:05	05/07/10 13:54	7440-02-0	
Potassium	1470	mg/kg	34.1	1	05/06/10 19:05	05/07/10 13:54	7440-09-7	
Selenium	ND	mg/kg	0.34	1	05/06/10 19:05	05/07/10 13:54	7782-49-2	
Silver	ND	mg/kg	0.14	1	05/06/10 19:05	05/07/10 13:54	7440-22-4	
Sodium	ND	mg/kg	34.1	1	05/06/10 19:05	05/07/10 13:54	7440-23-5	
Thallium	ND	mg/kg	1.4	1	05/06/10 19:05	05/07/10 13:54	7440-28-0	
Vanadium	12.2	mg/kg	0.68	1	05/06/10 19:05	05/07/10 13:54	7440-62-2	
Zinc	47.7	mg/kg	0.68	1	05/06/10 19:05	05/07/10 13:54	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.11	1	05/07/10 12:10	05/10/10 09:29	7439-97-6	
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### 8270 MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	83-32-9	
Acenaphthylene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	208-96-8	
Anthracene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	120-12-7	
Azobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	103-33-3	
Benzo(a)anthracene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	56-55-3	
Benzo(a)pyrene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	207-08-9	
Benzoic acid	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 10:34	65-85-0	
Benzyl alcohol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	101-55-3	
Butylbenzylphthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	85-68-7	
Carbazole	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	59-50-7	
4-Chloroaniline	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-2 Lab ID: 3027140003 Collected: 05/04/10 13:45 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	108-60-1	
2-Chloronaphthalene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	91-58-7	
2-Chlorophenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	7005-72-3	
Chrysene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	106-46-7	
Dibenzofuran	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	120-83-2	
Diethylphthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	105-67-9	
Dimethylphthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	131-11-3	
Di-n-butylphthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 10:34	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 10:34	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	606-20-2	
Di-n-octylphthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	117-81-7	
Fluoranthene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	206-44-0	
Fluorene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	87-68-3	
Hexachlorobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	77-47-4	
Hexachloroethane	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	193-39-5	
Isophorone	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	78-59-1	
1-Methylnaphthalene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	90-12-0	
2-Methylnaphthalene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	721	1	05/06/10 16:43	05/11/10 10:34		
Naphthalene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	91-20-3	
2-Nitroaniline	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 10:34	88-74-4	
3-Nitroaniline	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 10:34	99-09-2	
4-Nitroaniline	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 10:34	100-01-6	
Nitrobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	98-95-3	
2-Nitrophenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	88-75-5	
4-Nitrophenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No. 3027140

Sample: [REDACTED] 2H/4H-2 Lab ID: 3027140003 Collected: 05/04/10 13:45 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	86-30-6	
Pentachlorophenol	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 10:34	87-86-5	
Phenanthrene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	85-01-8	
Phenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	108-95-2	
Pyrene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 10:34	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 10:34	88-06-2	
Nitrobenzene-d5 (S)	68 %		35-114	1	05/06/10 16:43	05/11/10 10:34	4165-60-0	
2-Fluorobiphenyl (S)	65 %		43-116	1	05/06/10 16:43	05/11/10 10:34	321-60-8	
Terphenyl-d14 (S)	86 %		33-141	1	05/06/10 16:43	05/11/10 10:34	1718-51-0	
Phenol-d6 (S)	72 %		10-110	1	05/06/10 16:43	05/11/10 10:34	13127-88-3	
2-Fluorophenol (S)	77 %		21-110	1	05/06/10 16:43	05/11/10 10:34	367-12-4	
2,4,6-Tribromophenol (S)	77 %		10-123	1	05/06/10 16:43	05/11/10 10:34	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	31.9	ug/kg	9.3	1		05/06/10 15:29	67-64-1	
Benzene	ND	ug/kg	4.6	1		05/06/10 15:29	71-43-2	
Bromochloromethane	ND	ug/kg	4.6	1		05/06/10 15:29	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		05/06/10 15:29	75-27-4	
Bromoform	ND	ug/kg	4.6	1		05/06/10 15:29	75-25-2	
Bromomethane	ND	ug/kg	4.6	1		05/06/10 15:29	74-83-9	
TOTAL BTEX	ND	ug/kg	27.9	1		05/06/10 15:29		
2-Butanone (MEK)	ND	ug/kg	9.3	1		05/06/10 15:29	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		05/06/10 15:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		05/06/10 15:29	135-98-8	
Carbon disulfide	ND	ug/kg	4.6	1		05/06/10 15:29	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1		05/06/10 15:29	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		05/06/10 15:29	108-90-7	
Chloroethane	ND	ug/kg	4.6	1		05/06/10 15:29	75-00-3	
Chloroform	ND	ug/kg	4.6	1		05/06/10 15:29	67-66-3	
Chloromethane	ND	ug/kg	4.6	1		05/06/10 15:29	74-87-3	
Dibromochloromethane	ND	ug/kg	4.6	1		05/06/10 15:29	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		05/06/10 15:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		05/06/10 15:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		05/06/10 15:29	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.6	1		05/06/10 15:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		05/06/10 15:29	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	9.3	1		05/06/10 15:29	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.6	1		05/06/10 15:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		05/06/10 15:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		05/06/10 15:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		05/06/10 15:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		05/06/10 15:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		05/06/10 15:29	10061-02-6	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H  
Pace Project No.: 3027140

Sample: 2H/4H-2 Lab ID: 3027140003 Collected: 05/04/10 13:45 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8260 MSV 5030 Low Level</b>								
Analytical Method: EPA 8260								
Ethylbenzene	ND	ug/kg	4.6	1		05/06/10 15:29	100-41-4	
2-Hexanone	ND	ug/kg	9.3	1		05/06/10 15:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		05/06/10 15:29	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		05/06/10 15:29	99-87-6	
Methylene Chloride	ND	ug/kg	4.6	1		05/06/10 15:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.3	1		05/06/10 15:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		05/06/10 15:29	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		05/06/10 15:29	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		05/06/10 15:29	103-65-1	
Styrene	ND	ug/kg	4.6	1		05/06/10 15:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		05/06/10 15:29	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		05/06/10 15:29	127-18-4	
Toluene	ND	ug/kg	4.6	1		05/06/10 15:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		05/06/10 15:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		05/06/10 15:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		05/06/10 15:29	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		05/06/10 15:29	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		05/06/10 15:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		05/06/10 15:29	108-67-8	
Vinyl chloride	ND	ug/kg	4.6	1		05/06/10 15:29	75-01-4	
Xylene (Total)	ND	ug/kg	13.9	1		05/06/10 15:29	1330-20-7	
m&p-Xylene	ND	ug/kg	9.3	1		05/06/10 15:29	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1		05/06/10 15:29	95-47-6	
Toluene-d8 (S)	93	%	70-130	1		05/06/10 15:29	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130	1		05/06/10 15:29	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	70-130	1		05/06/10 15:29	17060-07-0	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974-87								
Percent Moisture	10.6	%	0.10	1		05/05/10 20:51		
<b>350.1 Ammonia</b>								
Analytical Method: EPA 350.1								
Nitrogen, Ammonia	7.7	mg/kg	5.4	1		05/08/10 15:56	7664-41-7	

Date: 06/16/2010 08:32 AM

## REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006400



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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027140

<b>Sample:</b> [REDACTED] 2H/4H-2 (ASTM)		<b>Lab ID:</b> 3027140004	Collected: 05/04/10 13:45	Received: 05/05/10 13:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND mg/L		0.10	1		05/07/10 15:01		
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND mg/L		3.0	1		05/08/10 11:23	16887-00-6	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-7 Lab ID: 3027140005 Collected: 05/04/10 14:00 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	18400	mg/kg	12.5	1	05/06/10 19:05	05/07/10 13:57	7429-90-5	
Antimony	1.7	mg/kg	0.63	1	05/06/10 19:05	05/07/10 13:57	7440-36-0	
Arsenic	46.9	mg/kg	0.63	1	05/06/10 19:05	05/07/10 13:57	7440-38-2	
Barium	2660	mg/kg	2.5	1	05/06/10 19:05	05/07/10 13:57	7440-39-3	
Beryllium	1.3	mg/kg	0.25	1	05/06/10 19:05	05/07/10 13:57	7440-41-7	
Boron	7.4	mg/kg	6.3	1	05/06/10 19:05	05/07/10 13:57	7440-42-8	
Cadmium	ND	mg/kg	0.25	1	05/06/10 19:05	05/07/10 13:57	7440-43-9	
Calcium	2640	mg/kg	250	1	05/06/10 19:05	05/07/10 13:57	7440-70-2	
Chromium	25.3	mg/kg	0.63	1	05/06/10 19:05	05/07/10 13:57	7440-47-3	
Cobalt	38.4	mg/kg	1.3	1	05/06/10 19:05	05/07/10 13:57	7440-48-4	
Copper	20.2	mg/kg	1.3	1	05/06/10 19:05	05/07/10 13:57	7440-50-8	
Iron	46400	mg/kg	12.5	1	05/06/10 19:05	05/07/10 13:57	7439-89-6	
Lead	33.6	mg/kg	0.63	1	05/06/10 19:05	05/07/10 13:57	7439-92-1	
Magnesium	7640	mg/kg	62.5	1	05/06/10 19:05	05/07/10 13:57	7439-95-4	
Manganese	594	mg/kg	1.3	1	05/06/10 19:05	05/07/10 13:57	7439-96-5	
Molybdenum	3.1	mg/kg	2.5	1	05/06/10 19:05	05/07/10 13:57	7439-98-7	
Nickel	45.2	mg/kg	2.5	1	05/06/10 19:05	05/07/10 13:57	7440-02-0	
Potassium	2400	mg/kg	62.5	1	05/06/10 19:05	05/07/10 13:57	7440-09-7	
Selenium	ND	mg/kg	0.63	1	05/06/10 19:05	05/07/10 13:57	7782-49-2	
Silver	ND	mg/kg	0.25	1	05/06/10 19:05	05/07/10 13:57	7440-22-4	
Sodium	ND	mg/kg	625	1	05/06/10 19:05	05/07/10 13:57	7440-23-5	
Thallium	ND	mg/kg	2.5	1	05/06/10 19:05	05/07/10 13:57	7440-28-0	
Vanadium	21.6	mg/kg	1.3	1	05/06/10 19:05	05/07/10 13:57	7440-62-2	
Zinc	109	mg/kg	1.3	1	05/06/10 19:05	05/07/10 13:57	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.22	1	05/07/10 12:10	05/10/10 09:31	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	83-32-9	
Acenaphthylene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	208-96-8	
Anthracene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	120-12-7	
Azobenzene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	103-33-3	
Benzo(a)anthracene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	56-55-3	
Benzo(a)pyrene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	207-08-9	
Benzoic acid	ND	ug/kg	1940	1	05/06/10 16:43	05/11/10 10:57	65-85-0	
Benzyl alcohol	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	101-55-3	
Butylbenzylphthalate	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	85-68-7	
Carbazole	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	59-50-7	
4-Chloroaniline	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	106-47-8	

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## REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-7 Lab ID: 3027140005 Collected: 05/04/10 14:00 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	108-60-1	
2-Chloronaphthalene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	91-58-7	
2-Chlorophenol	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	7005-72-3	
Chrysene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	53-70-3	
Dibenzofuran	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	120-83-2	
Diethylphthalate	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	105-67-9	
Dimethylphthalate	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	131-11-3	
Di-n-butylphthalate	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1940	1	05/06/10 16:43	05/11/10 10:57	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1940	1	05/06/10 16:43	05/11/10 10:57	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	606-20-2	
Di-n-octylphthalate	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	117-81-7	
Fluoranthene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	206-44-0	
Fluorene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	87-68-3	
Hexachlorobenzene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	77-47-4	
Hexachloroethane	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	193-39-5	
Isophorone	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	78-59-1	
1-Methylnaphthalene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	90-12-0	
2-Methylnaphthalene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	1550	1	05/06/10 16:43	05/11/10 10:57		
Naphthalene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	91-20-3	
2-Nitroaniline	ND	ug/kg	1940	1	05/06/10 16:43	05/11/10 10:57	88-74-4	
3-Nitroaniline	ND	ug/kg	1940	1	05/06/10 16:43	05/11/10 10:57	99-09-2	
4-Nitroaniline	ND	ug/kg	1940	1	05/06/10 16:43	05/11/10 10:57	100-01-6	
Nitrobenzene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	98-95-3	
2-Nitrophenol	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	88-75-5	
4-Nitrophenol	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

Sample: XXXXXXXXXX 2H/4H-7 Lab ID: 3027140005 Collected: 05/04/10 14:00 Received: 05/05/10 13:40 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	86-30-6	
Pentachlorophenol	ND	ug/kg	1940	1	05/06/10 16:43	05/11/10 10:57	87-86-5	
Phenanthrene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	85-01-8	
Phenol	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	108-95-2	
Pyrene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	120-82-1	
2,4,6-Trichlorophenol	ND	ug/kg	1940	1	05/06/10 16:43	05/11/10 10:57	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	774	1	05/06/10 16:43	05/11/10 10:57	88-06-2	
Nitrobenzene-d5 (S)	70	%	35-114	1	05/06/10 16:43	05/11/10 10:57	4165-60-0	
2-Fluorobiphenyl (S)	77	%	43-116	1	05/06/10 16:43	05/11/10 10:57	321-60-8	
Terphenyl-d14 (S)	110	%	33-141	1	05/06/10 16:43	05/11/10 10:57	1718-51-0	
Phenol-d6 (S)	74	%	10-110	1	05/06/10 16:43	05/11/10 10:57	13127-88-3	
2-Fluorophenol (S)	79	%	21-110	1	05/06/10 16:43	05/11/10 10:57	367-12-4	
2,4,6-Tribromophenol (S)	83	%	10-123	1	05/06/10 16:43	05/11/10 10:57	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260								
Acetone	176	ug/kg	13.3	1		05/10/10 11:45	67-64-1	
Benzene	ND	ug/kg	6.6	1		05/10/10 11:45	71-43-2	
Bromochloromethane	ND	ug/kg	6.6	1		05/10/10 11:45	74-97-5	
Bromodichloromethane	ND	ug/kg	6.6	1		05/10/10 11:45	75-27-4	
Bromoform	ND	ug/kg	6.6	1		05/10/10 11:45	75-25-2	
Bromomethane	ND	ug/kg	6.6	1		05/10/10 11:45	74-83-9	
TOTAL BTEX	ND	ug/kg	39.9	1		05/10/10 11:45		
2-Butanone (MEK)	27.1	ug/kg	13.3	1		05/10/10 11:45	78-93-3	
n-Butylbenzene	ND	ug/kg	6.6	1		05/10/10 11:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.6	1		05/10/10 11:45	135-98-8	
Carbon disulfide	31.1	ug/kg	6.6	1		05/10/10 11:45	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.6	1		05/10/10 11:45	56-23-5	
Chlorobenzene	ND	ug/kg	6.6	1		05/10/10 11:45	108-90-7	
Chloroethane	ND	ug/kg	6.6	1		05/10/10 11:45	75-00-3	
Chloroform	ND	ug/kg	6.6	1		05/10/10 11:45	67-66-3	
Chloromethane	ND	ug/kg	6.6	1		05/10/10 11:45	74-87-3	
Dibromochloromethane	ND	ug/kg	6.6	1		05/10/10 11:45	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	6.6	1		05/10/10 11:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.6	1		05/10/10 11:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.6	1		05/10/10 11:45	106-46-7	
1,1-Dichloroethane	ND	ug/kg	6.6	1		05/10/10 11:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.6	1		05/10/10 11:45	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	13.3	1		05/10/10 11:45	540-59-0	
1,1-Dichloroethene	ND	ug/kg	6.6	1		05/10/10 11:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.6	1		05/10/10 11:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.6	1		05/10/10 11:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.6	1		05/10/10 11:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	6.6	1		05/10/10 11:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.6	1		05/10/10 11:45	10061-02-6	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-7 Lab ID: 3027140005 Collected: 05/04/10 14:00 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	6.6	1		05/10/10 11:45	100-41-4	
2-Hexanone	ND	ug/kg	13.3	1		05/10/10 11:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.6	1		05/10/10 11:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.6	1		05/10/10 11:45	99-87-6	
Methylene Chloride	ND	ug/kg	6.6	1		05/10/10 11:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	13.3	1		05/10/10 11:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.6	1		05/10/10 11:45	1634-04-4	
Naphthalene	ND	ug/kg	6.6	1		05/10/10 11:45	91-20-3	
n-Propylbenzene	ND	ug/kg	6.6	1		05/10/10 11:45	103-65-1	
Styrene	ND	ug/kg	6.6	1		05/10/10 11:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.6	1		05/10/10 11:45	79-34-5	
Tetrachloroethene	ND	ug/kg	6.6	1		05/10/10 11:45	127-18-4	
Toluene	ND	ug/kg	6.6	1		05/10/10 11:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	6.6	1		05/10/10 11:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.6	1		05/10/10 11:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.6	1		05/10/10 11:45	79-00-5	
Trichloroethene	ND	ug/kg	6.6	1		05/10/10 11:45	79-01-6	
1,2,4-Trimethylbenzene	30.0	ug/kg	6.6	1		05/10/10 11:45	95-63-6	
1,3,5-Trimethylbenzene	11.8	ug/kg	6.6	1		05/10/10 11:45	108-67-8	
Vinyl chloride	ND	ug/kg	6.6	1		05/10/10 11:45	75-01-4	
Xylene (Total)	ND	ug/kg	19.9	1		05/10/10 11:45	1330-20-7	
m&p-Xylene	ND	ug/kg	13.3	1		05/10/10 11:45	179601-23-1	
o-Xylene	7.3	ug/kg	6.6	1		05/10/10 11:45	95-47-6	
Toluene-d8 (S)	105	%	70-130	1		05/10/10 11:45	2037-26-5	
4-Bromofluorobenzene (S)	122	%	70-130	1		05/10/10 11:45	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		05/10/10 11:45	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	57.5	%	0.10	1		05/05/10 20:52		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	88.0	mg/kg	11.6	1		05/08/10 15:57	7664-41-7	

Date: 06/16/2010 08:32 AM

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project. [REDACTED] 2H/4H

Pace Project No.: 3027140

<b>Sample:</b> [REDACTED] 2H/4H-7 (ASTM)		<b>Lab ID:</b> 3027140006	Collected: 05/04/10 14:00	Received: 05/05/10 13:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/07/10 15:01		
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	3.8	mg/L	3.0	1		05/08/10 11:23	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-12 Lab ID: 3027140007 Collected: 05/04/10 14.15 Received 05/05/10 13.40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	10800	mg/kg	8.0	1	05/06/10 19:05	05/07/10 14:00	7429-90-5	
Antimony	0.40	mg/kg	0.40	1	05/06/10 19:05	05/07/10 14:00	7440-36-0	
Arsenic	9.7	mg/kg	0.40	1	05/06/10 19:05	05/07/10 14:00	7440-38-2	
Barium	1510	mg/kg	1.6	1	05/06/10 19:05	05/07/10 14:00	7440-39-3	
Beryllium	0.61	mg/kg	0.16	1	05/06/10 19:05	05/07/10 14:00	7440-41-7	
Boron	4.0	mg/kg	4.0	1	05/06/10 19:05	05/07/10 14:00	7440-42-8	
Cadmium	ND	mg/kg	0.16	1	05/06/10 19:05	05/07/10 14:00	7440-43-9	
Calcium	1600	mg/kg	159	1	05/06/10 19:05	05/07/10 14:00	7440-70-2	
Chromium	14.5	mg/kg	0.40	1	05/06/10 19:05	05/07/10 14:00	7440-47-3	
Cobalt	18.5	mg/kg	0.80	1	05/06/10 19:05	05/07/10 14:00	7440-48-4	
Copper	6.1	mg/kg	0.80	1	05/06/10 19:05	05/07/10 14:00	7440-50-8	
Iron	24600	mg/kg	8.0	1	05/06/10 19:05	05/07/10 14:00	7439-89-6	
Lead	9.0	mg/kg	0.40	1	05/06/10 19:05	05/07/10 14:00	7439-92-1	
Magnesium	4420	mg/kg	39.8	1	05/06/10 19:05	05/07/10 14:00	7439-95-4	
Manganese	320	mg/kg	0.80	1	05/06/10 19:05	05/07/10 14:00	7439-96-5	
Molybdenum	ND	mg/kg	1.6	1	05/06/10 19:05	05/07/10 14:00	7439-98-7	
Nickel	25.3	mg/kg	1.6	1	05/06/10 19:05	05/07/10 14:00	7440-02-0	
Potassium	1510	mg/kg	39.8	1	05/06/10 19:05	05/07/10 14:00	7440-09-7	
Selenium	ND	mg/kg	0.40	1	05/06/10 19:05	05/07/10 14:00	7782-49-2	
Silver	ND	mg/kg	0.16	1	05/06/10 19:05	05/07/10 14:00	7440-22-4	
Sodium	ND	mg/kg	398	1	05/06/10 19:05	05/07/10 14:00	7440-23-5	
Thallium	ND	mg/kg	1.6	1	05/06/10 19:05	05/07/10 14:00	7440-28-0	
Vanadium	12.3	mg/kg	0.80	1	05/06/10 19:05	05/07/10 14:00	7440-62-2	
Zinc	53.9	mg/kg	0.80	1	05/06/10 19:05	05/07/10 14:00	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.11	1	05/07/10 12:10	05/10/10 09:33	7439-97-6
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### 8270 MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	83-32-9
Acenaphthylene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	208-96-8
Anthracene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	120-12-7
Azobenzene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	103-33-3
Benzo(a)anthracene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	56-55-3
Benzo(a)pyrene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	50-32-8
Benzo(b)fluoranthene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	205-99-2
Benzo(g,h,i)perylene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	191-24-2
Benzo(k)fluoranthene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	207-08-9
Benzoic acid	ND	ug/kg	981	1	05/06/10 16:43	05/11/10 16:16	65-85-0
Benzyl alcohol	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	100-51-6
4-Bromophenyl/phenyl ether	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	101-55-3
Butylbenzylphthalate	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	85-68-7
Carbazole	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	86-74-8
4-Chloro-3-methylphenol	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	59-50-7
4-Chloroaniline	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	106-47-8

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No: 3027140

Sample: [REDACTED] 2H/4H-12 Lab ID: 3027140007 Collected: 05/04/10 14:15 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
bis(2-Chloroethoxy)methane	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	108-60-1	
2-Chloronaphthalene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	91-58-7	
2-Chlorophenol	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	7005-72-3	
Chrysene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	53-70-3	
Dibenzofuran	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	120-83-2	
Diethylphthalate	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	105-67-9	
Dimethylphthalate	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	131-11-3	
Di-n-butylphthalate	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	981	1	05/06/10 16:43	05/11/10 16:16	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	981	1	05/06/10 16:43	05/11/10 16:16	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	606-20-2	
Di-n-octylphthalate	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	117-81-7	
Fluoranthene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	206-44-0	
Fluorene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	87-68-3	
Hexachlorobenzene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	77-47-4	
Hexachloroethane	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	193-39-5	
Isophorone	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	78-59-1	
1-Methylnaphthalene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	90-12-0	
2-Methylnaphthalene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	785	1	05/06/10 16:43	05/11/10 16:16		
Naphthalene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	91-20-3	
2-Nitroaniline	ND	ug/kg	981	1	05/06/10 16:43	05/11/10 16:16	88-74-4	
3-Nitroaniline	ND	ug/kg	981	1	05/06/10 16:43	05/11/10 16:16	99-09-2	
4-Nitroaniline	ND	ug/kg	981	1	05/06/10 16:43	05/11/10 16:16	100-01-6	
Nitrobenzene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	98-95-3	
2-Nitrophenol	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	88-75-5	
4-Nitrophenol	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	621-64-7	

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(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-12 Lab ID: 3027140007 Collected: 05/04/10 14:15 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	86-30-6	
Pentachlorophenol	ND	ug/kg	981	1	05/06/10 16:43	05/11/10 16:16	87-86-5	
Phenanthrene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	85-01-8	
Phenol	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	108-95-2	
Pyrene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	981	1	05/06/10 16:43	05/11/10 16:16	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	392	1	05/06/10 16:43	05/11/10 16:16	88-06-2	
Nitrobenzene-d5 (S)	81	%	35-114	1	05/06/10 16:43	05/11/10 16:16	4165-60-0	
2-Fluorobiphenyl (S)	89	%	43-116	1	05/06/10 16:43	05/11/10 16:16	321-60-8	
Terphenyl-d14 (S)	92	%	33-141	1	05/06/10 16:43	05/11/10 16:16	1718-51-0	
Phenol-d6 (S)	69	%	10-110	1	05/06/10 16:43	05/11/10 16:16	13127-88-3	
2-Fluorophenol (S)	80	%	21-110	1	05/06/10 16:43	05/11/10 16:16	367-12-4	
2,4,6-Tribromophenol (S)	81	%	10-123	1	05/06/10 16:43	05/11/10 16:16	118-79-6	
<b>8260 MSV 5030 Low Level</b>								
Analytical Method: EPA 8260								
Acetone	82.5	ug/kg	9.5	1		05/06/10 16:18	67-64-1	
Benzene	ND	ug/kg	4.7	1		05/06/10 16:18	71-43-2	
Bromochloromethane	ND	ug/kg	4.7	1		05/06/10 16:18	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		05/06/10 16:18	75-27-4	
Bromoform	ND	ug/kg	4.7	1		05/06/10 16:18	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		05/06/10 16:18	74-83-9	
TOTAL BTEX	ND	ug/kg	28.5	1		05/06/10 16:18		
2-Butanone (MEK)	15.3	ug/kg	9.5	1		05/06/10 16:18	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		05/06/10 16:18	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		05/06/10 16:18	135-98-8	
Carbon disulfide	5.4	ug/kg	4.7	1		05/06/10 16:18	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		05/06/10 16:18	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		05/06/10 16:18	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		05/06/10 16:18	75-00-3	
Chloroform	ND	ug/kg	4.7	1		05/06/10 16:18	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		05/06/10 16:18	74-87-3	
Dibromochloromethane	ND	ug/kg	4.7	1		05/06/10 16:18	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		05/06/10 16:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		05/06/10 16:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		05/06/10 16:18	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.7	1		05/06/10 16:18	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		05/06/10 16:18	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	9.5	1		05/06/10 16:18	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.7	1		05/06/10 16:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		05/06/10 16:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		05/06/10 16:18	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		05/06/10 16:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		05/06/10 16:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		05/06/10 16:18	10061-02-6	

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## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-12 Lab ID: 3027140007 Collected 05/04/10 14:15 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.7	1		05/06/10 16:18	100-41-4	
2-Hexanone	ND	ug/kg	9.5	1		05/06/10 16:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		05/06/10 16:18	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		05/06/10 16:18	99-87-6	
Methylene Chloride	ND	ug/kg	4.7	1		05/06/10 16:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.5	1		05/06/10 16:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		05/06/10 16:18	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		05/06/10 16:18	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		05/06/10 16:18	103-65-1	
Styrene	ND	ug/kg	4.7	1		05/06/10 16:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		05/06/10 16:18	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		05/06/10 16:18	127-18-4	
Toluene	ND	ug/kg	4.7	1		05/06/10 16:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		05/06/10 16:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		05/06/10 16:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		05/06/10 16:18	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		05/06/10 16:18	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		05/06/10 16:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		05/06/10 16:18	108-67-8	
Vinyl chloride	ND	ug/kg	4.7	1		05/06/10 16:18	75-01-4	
Xylene (Total)	ND	ug/kg	14.2	1		05/08/10 16:18	1330-20-7	
m&p-Xylene	ND	ug/kg	9.5	1		05/08/10 16:18	179601-23-1	
o-Xylene	ND	ug/kg	4.7	1		05/06/10 16:18	95-47-6	
Toluene-d8 (S)	92	%	70-130	1		05/06/10 16:18	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130	1		05/06/10 16:18	460-00-4	
1,2-Dichloroethane-d4 (S)	114	%	70-130	1		05/06/10 16:18	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	15.1	%	0.10	1		05/05/10 20:53		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350 1						
Nitrogen, Ammonia	28.8	mg/kg	5.3	1		05/08/10 15:58	7664-41-7	

Date: 06/16/2010 08:32 AM

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Greensburg, PA 15601  
(724)850-5600

### ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027140

Sample: [REDACTED] 2H/4H-12 (ASTM)		Lab ID: 3027140008	Collected: 05/04/10 14:15	Received: 05/05/10 13:40	Matrix Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/07/10 15:01		
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	3.9	mg/L	3.0	1		05/08/10 11:24	16887-00-6	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027140

Sample: [REDACTED] 2H/4H-11 Lab ID: 3027140009 Collected 05/04/10 14:30 Received 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	12900	mg/kg	9.6	1	05/06/10 19:05	05/07/10 14:03	7429-90-5	
Antimony	0.62	mg/kg	0.48	1	05/06/10 19:05	05/07/10 14:03	7440-36-0	
Arsenic	9.3	mg/kg	0.48	1	05/06/10 19:05	05/07/10 14:03	7440-38-2	
Barium	1870	mg/kg	1.9	1	05/06/10 19:05	05/07/10 14:03	7440-39-3	
Beryllium	0.81	mg/kg	0.19	1	05/06/10 19:05	05/07/10 14:03	7440-41-7	
Boron	5.4	mg/kg	4.8	1	05/06/10 19:05	05/07/10 14:03	7440-42-8	
Cadmium	ND	mg/kg	0.19	1	05/06/10 19:05	05/07/10 14:03	7440-43-9	
Calcium	2180	mg/kg	192	1	05/06/10 19:05	05/07/10 14:03	7440-70-2	
Chromium	17.5	mg/kg	0.48	1	05/06/10 19:05	05/07/10 14:03	7440-47-3	
Cobalt	22.9	mg/kg	0.96	1	05/06/10 19:05	05/07/10 14:03	7440-48-4	
Copper	6.6	mg/kg	0.96	1	05/06/10 19:05	05/07/10 14:03	7440-50-8	
Iron	31000	mg/kg	9.6	1	05/06/10 19:05	05/07/10 14:03	7439-89-6	
Lead	7.3	mg/kg	0.48	1	05/06/10 19:05	05/07/10 14:03	7439-92-1	
Magnesium	5390	mg/kg	48.1	1	05/06/10 19:05	05/07/10 14:03	7439-95-4	
Manganese	315	mg/kg	0.96	1	05/06/10 19:05	05/07/10 14:03	7439-96-5	
Molybdenum	ND	mg/kg	1.9	1	05/06/10 19:05	05/07/10 14:03	7439-98-7	
Nickel	30.9	mg/kg	1.9	1	05/06/10 19:05	05/07/10 14:03	7440-02-0	
Potassium	1810	mg/kg	48.1	1	05/06/10 19:05	05/07/10 14:03	7440-09-7	
Selenium	ND	mg/kg	0.48	1	05/06/10 19:05	05/07/10 14:03	7782-49-2	
Silver	ND	mg/kg	0.19	1	05/06/10 19:05	05/07/10 14:03	7440-22-4	
Sodium	ND	mg/kg	481	1	05/06/10 19:05	05/07/10 14:03	7440-23-5	
Thallium	ND	mg/kg	1.9	1	05/06/10 19:05	05/07/10 14:03	7440-28-0	
Vanadium	15.1	mg/kg	0.96	1	05/06/10 19:05	05/07/10 14:03	7440-62-2	
Zinc	62.4	mg/kg	0.96	1	05/06/10 19:05	05/07/10 14:03	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.11	1	05/07/10 12:10	05/10/10 09:34	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	83-32-9	
Acenaphthylene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	208-96-8	
Anthracene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	120-12-7	
Azobenzene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	103-33-3	
Benzo(a)anthracene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	56-55-3	
Benzo(a)pyrene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	207-08-9	
Benzoic acid	ND	ug/kg	1000	1	05/06/10 16:43	05/11/10 11:43	65-85-0	
Benzyl alcohol	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	101-55-3	
Butylbenzylphthalate	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	85-68-7	
Carbazole	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	59-50-7	
4-Chloroaniline	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-11 Lab ID: 3027140009 Collected: 05/04/10 14:30 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	108-60-1	
2-Chloronaphthalene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	91-58-7	
2-Chlorophenol	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	7005-72-3	
Chrysene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	53-70-3	
Dibenzofuran	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	120-83-2	
Diethylphthalate	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	84-68-2	
2,4-Dimethylphenol	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	105-67-9	
Dimethylphthalate	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	131-11-3	
Di-n-butylphthalate	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1000	1	05/06/10 16:43	05/11/10 11:43	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1000	1	05/06/10 16:43	05/11/10 11:43	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	606-20-2	
Di-n-octylphthalate	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	117-81-7	
Fluoranthene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	206-44-0	
Fluorene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	87-68-3	
Hexachlorobenzene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	77-47-4	
Hexachloroethane	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	87-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	193-39-5	
Isophorone	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	78-59-1	
1-Methylnaphthalene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	90-12-0	
2-Methylnaphthalene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	803	1	05/06/10 16:43	05/11/10 11:43		
Naphthalene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	91-20-3	
2-Nitroaniline	ND	ug/kg	1000	1	05/06/10 16:43	05/11/10 11:43	88-74-4	
3-Nitroaniline	ND	ug/kg	1000	1	05/06/10 16:43	05/11/10 11:43	99-09-2	
4-Nitroaniline	ND	ug/kg	1000	1	05/06/10 16:43	05/11/10 11:43	100-01-6	
Nitrobenzene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	98-95-3	
2-Nitrophenol	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	88-75-5	
4-Nitrophenol	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-11 Lab ID: 3027140009 Collected: 05/04/10 14:30 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	86-30-6	
Pentachlorophenol	ND	ug/kg	1000	1	05/06/10 16:43	05/11/10 11:43	87-86-5	
Phenanthrene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	85-01-8	
Phenol	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	108-95-2	
Pyrene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	1000	1	05/06/10 16:43	05/11/10 11:43	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	401	1	05/06/10 16:43	05/11/10 11:43	88-06-2	
Nitrobenzene-d5 (S)	46	%	35-114	1	05/06/10 16:43	05/11/10 11:43	4165-60-0	
2-Fluorobiphenyl (S)	53	%	43-116	1	05/06/10 16:43	05/11/10 11:43	321-60-8	
Terphenyl-d14 (S)	76	%	33-141	1	05/06/10 16:43	05/11/10 11:43	1718-51-0	
Phenol-d6 (S)	43	%	10-110	1	05/06/10 16:43	05/11/10 11:43	13127-88-3	
2-Fluorophenol (S)	48	%	21-110	1	05/06/10 16:43	05/11/10 11:43	367-12-4	
2,4,6-Tribromophenol (S)	58	%	10-123	1	05/06/10 16:43	05/11/10 11:43	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	164	ug/kg	10.9	1	05/06/10 16:42	67-64-1	
Benzene	ND	ug/kg	5.4	1	05/06/10 16:42	71-43-2	
Bromochloromethane	ND	ug/kg	5.4	1	05/06/10 16:42	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	1	05/06/10 16:42	75-27-4	
Bromoform	ND	ug/kg	5.4	1	05/06/10 16:42	75-25-2	
Bromomethane	ND	ug/kg	5.4	1	05/06/10 16:42	74-83-9	
TOTAL BTEX	ND	ug/kg	32.7	1	05/06/10 16:42		
2-Butanone (MEK)	61.3	ug/kg	10.9	1	05/06/10 16:42	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	1	05/06/10 16:42	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.4	1	05/06/10 16:42	135-98-8	
Carbon disulfide	12.9	ug/kg	5.4	1	05/06/10 16:42	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.4	1	05/06/10 16:42	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	1	05/06/10 16:42	108-90-7	
Chloroethane	ND	ug/kg	5.4	1	05/06/10 16:42	75-00-3	
Chloroform	ND	ug/kg	5.4	1	05/06/10 16:42	67-66-3	
Chloromethane	ND	ug/kg	5.4	1	05/06/10 16:42	74-87-3	
Dibromochloromethane	ND	ug/kg	5.4	1	05/06/10 16:42	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	5.4	1	05/06/10 16:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	1	05/06/10 16:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1	05/06/10 16:42	106-46-7	
1,1-Dichloroethane	ND	ug/kg	5.4	1	05/06/10 16:42	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	1	05/06/10 16:42	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	10.9	1	05/06/10 16:42	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.4	1	05/06/10 16:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1	05/06/10 16:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1	05/06/10 16:42	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1	05/06/10 16:42	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1	05/06/10 16:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1	05/06/10 16:42	10061-02-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project. [REDACTED] 2H/4H

Pace Project No.: 3027140

Sample: [REDACTED] 2H/4H-11 Lab ID: 3027140009 Collected: 05/04/10 14:30 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	5.4	1		05/06/10 16:42	100-41-4	
2-Hexanone	ND	ug/kg	10.9	1		05/06/10 16:42	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	1		05/06/10 16:42	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	1		05/06/10 16:42	99-87-6	
Methylene Chloride	ND	ug/kg	5.4	1		05/06/10 16:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.9	1		05/06/10 16:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1		05/06/10 16:42	1634-04-4	
Naphthalene	6.5	ug/kg	5.4	1		05/06/10 16:42	91-20-3	
n-Propylbenzene	ND	ug/kg	5.4	1		05/06/10 16:42	103-65-1	
Styrene	ND	ug/kg	5.4	1		05/06/10 16:42	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1		05/06/10 16:42	79-34-5	
Tetrachloroethene	8.1	ug/kg	5.4	1		05/06/10 16:42	127-18-4	
Toluene	ND	ug/kg	5.4	1		05/06/10 16:42	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1		05/06/10 16:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1		05/06/10 16:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	1		05/06/10 16:42	79-00-5	
Trichloroethene	ND	ug/kg	5.4	1		05/06/10 16:42	79-01-6	
1,2,4-Trimethylbenzene	19.5	ug/kg	5.4	1		05/06/10 16:42	95-63-6	
1,3,5-Trimethylbenzene	7.0	ug/kg	5.4	1		05/06/10 16:42	108-67-8	
Vinyl chloride	ND	ug/kg	5.4	1		05/06/10 16:42	75-01-4	
Xylene (Total)	ND	ug/kg	16.3	1		05/06/10 16:42	1330-20-7	
m&p-Xylene	ND	ug/kg	10.9	1		05/06/10 16:42	179601-23-1	
o-Xylene	ND	ug/kg	5.4	1		05/06/10 16:42	95-47-6	
Toluene-d8 (S)	98	%	70-130	1		05/06/10 16:42	2037-26-5	
4-Bromofluorobenzene (S)	116	%	70-130	1		05/06/10 16:42	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-130	1		05/06/10 16:42	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	18.8	%	0.10	1		05/05/10 20:53		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	47.3	mg/kg	5.5	1		05/08/10 15:59	7664-41-7	

Date: 06/16/2010 08:32 AM

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027140

<b>Sample:</b> [REDACTED] 2H/4H-11 (ASTM)		<b>Lab ID:</b> 3027140010	Collected: 05/04/10 14:30	Received: 05/05/10 13:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/07/10 15:01		
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	3.2	mg/L	3.0	1		05/08/10 11:25	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-10 Lab ID: 3027140011 Collected: 05/04/10 14.45 Received: 05/05/10 13.40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	9440	mg/kg	6.4	1	05/06/10 19:05	05/07/10 14:06	7429-90-5	
Antimony	0.86	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:06	7440-36-0	
Arsenic	5.6	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:06	7440-38-2	
Barium	3350	mg/kg	12.7	10	05/06/10 19:05	05/10/10 10:29	7440-39-3	
Beryllium	0.46	mg/kg	0.13	1	05/06/10 19:05	05/07/10 14:06	7440-41-7	
Boron	3.7	mg/kg	3.2	1	05/06/10 19:05	05/07/10 14:06	7440-42-8	
Cadmium	ND	mg/kg	0.13	1	05/06/10 19:05	05/07/10 14:06	7440-43-9	
Calcium	1640	mg/kg	127	1	05/06/10 19:05	05/07/10 14:06	7440-70-2	
Chromium	13.1	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:06	7440-47-3	
Cobalt	11.3	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:06	7440-48-4	
Copper	10.3	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:06	7440-50-8	
Iron	19300	mg/kg	6.4	1	05/06/10 19:05	05/07/10 14:06	7439-89-6	
Lead	14.4	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:06	7439-92-1	
Magnesium	3980	mg/kg	31.8	1	05/06/10 19:05	05/07/10 14:06	7439-95-4	
Manganese	191	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:06	7439-96-5	
Molybdenum	1.7	mg/kg	1.3	1	05/06/10 19:05	05/07/10 14:06	7439-98-7	
Nickel	18.5	mg/kg	1.3	1	05/06/10 19:05	05/07/10 14:06	7440-02-0	
Potassium	1360	mg/kg	31.8	1	05/06/10 19:05	05/07/10 14:06	7440-09-7	
Selenium	ND	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:06	7782-49-2	
Silver	ND	mg/kg	0.13	1	05/06/10 19:05	05/07/10 14:06	7440-22-4	
Sodium	ND	mg/kg	318	1	05/06/10 19:05	05/07/10 14:06	7440-23-5	
Thallium	ND	mg/kg	1.3	1	05/06/10 19:05	05/07/10 14:06	7440-28-0	
Vanadium	11.3	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:06	7440-62-2	
Zinc	49.8	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:06	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.12	1	05/07/10 12:10	05/10/10 09:36	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	83-32-9	
Acenaphthylene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	208-96-8	
Anthracene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	120-12-7	
Azobenzene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	103-33-3	
Benzo(a)anthracene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	56-55-3	
Benzo(a)pyrene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	207-08-9	
Benzoic acid	ND	ug/kg	972	1	05/06/10 16:43	05/11/10 12:06	65-85-0	
Benzyl alcohol	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	101-55-3	
Butylbenzylphthalate	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	85-68-7	
Carbazole	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	59-50-7	
4-Chloroaniline	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No : 3027140

Sample: [REDACTED] 2H/4H-10 Lab ID: 3027140011 Collected: 05/04/10 14:45 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3546						
bis(2-Chloroethoxy)methane	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	108-60-1	
2-Chloronaphthalene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	91-58-7	
2-Chlorophenol	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	7005-72-3	
Chrysene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	53-70-3	
Dibenzofuran	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	120-83-2	
Diethylphthalate	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	105-67-9	
Dimethylphthalate	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	131-11-3	
Di-n-butylphthalate	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	972	1	05/06/10 16:43	05/11/10 12:06	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	972	1	05/06/10 16:43	05/11/10 12:06	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	606-20-2	
Di-n-octylphthalate	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	117-81-7	
Fluoranthene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	206-44-0	
Fluorene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	87-68-3	
Hexachlorobenzene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	77-47-4	
Hexachloroethane	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	193-39-5	
Isophorone	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	78-59-1	
1-Methylnaphthalene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	90-12-0	
2-Methylnaphthalene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	777	1	05/06/10 16:43	05/11/10 12:06		
Naphthalene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	91-20-3	
2-Nitroaniline	ND	ug/kg	972	1	05/06/10 16:43	05/11/10 12:06	88-74-4	
3-Nitroaniline	ND	ug/kg	972	1	05/06/10 16:43	05/11/10 12:06	99-09-2	
4-Nitroaniline	ND	ug/kg	972	1	05/06/10 16:43	05/11/10 12:06	100-01-6	
Nitrobenzene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	98-95-3	
2-Nitrophenol	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	88-75-5	
4-Nitrophenol	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project. XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

Sample: XXXXXXXXXX 2H/4H-10 Lab ID: 3027140011 Collected 05/04/10 14:45 Received: 05/05/10 13:40 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	86-30-6	
Pentachlorophenol	ND	ug/kg	972	1	05/06/10 16:43	05/11/10 12:06	87-86-5	
Phenanthrene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	85-01-8	
Phenol	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	108-95-2	
Pyrene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	972	1	05/06/10 16:43	05/11/10 12:06	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	389	1	05/06/10 16:43	05/11/10 12:06	88-06-2	
Nitrobenzene-d5 (S)	110	%	35-114	1	05/06/10 16:43	05/11/10 12:06	4165-60-0	
2-Fluorobiphenyl (S)	130	%	43-116	1	05/06/10 16:43	05/11/10 12:06	321-60-8	S3
Terphenyl-d14 (S)	150	%	33-141	1	05/06/10 16:43	05/11/10 12:06	1718-51-0	S3
Phenol-d6 (S)	138	%	10-110	1	05/06/10 16:43	05/11/10 12:06	13127-88-3	S3
2-Fluorophenol (S)	137	%	21-110	1	05/06/10 16:43	05/11/10 12:06	367-12-4	S3
2,4,6-Tribromophenol (S)	119	%	10-123	1	05/06/10 16:43	05/11/10 12:06	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	83.1	ug/kg	11.4	1		05/06/10 17:06	67-64-1	
Benzene	ND	ug/kg	5.7	1		05/06/10 17:06	71-43-2	
Bromochloromethane	ND	ug/kg	5.7	1		05/06/10 17:06	74-97-5	
Bromodichloromethane	ND	ug/kg	5.7	1		05/06/10 17:06	75-27-4	
Bromoform	ND	ug/kg	5.7	1		05/06/10 17:06	75-25-2	
Bromomethane	ND	ug/kg	5.7	1		05/06/10 17:06	74-83-9	
TOTAL BTEX	ND	ug/kg	34.1	1		05/06/10 17:06		
2-Butanone (MEK)	16.1	ug/kg	11.4	1		05/06/10 17:06	78-93-3	
n-Butylbenzene	ND	ug/kg	5.7	1		05/06/10 17:06	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.7	1		05/06/10 17:06	135-98-8	
Carbon disulfide	17.5	ug/kg	5.7	1		05/06/10 17:06	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.7	1		05/06/10 17:06	56-23-5	
Chlorobenzene	ND	ug/kg	5.7	1		05/06/10 17:06	108-90-7	
Chloroethane	ND	ug/kg	5.7	1		05/06/10 17:06	75-00-3	
Chloroform	ND	ug/kg	5.7	1		05/06/10 17:06	67-66-3	
Chloromethane	ND	ug/kg	5.7	1		05/06/10 17:06	74-87-3	
Dibromochloromethane	ND	ug/kg	5.7	1		05/06/10 17:06	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	5.7	1		05/06/10 17:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.7	1		05/06/10 17:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.7	1		05/06/10 17:06	106-46-7	
1,1-Dichloroethane	ND	ug/kg	5.7	1		05/06/10 17:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.7	1		05/06/10 17:06	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	11.4	1		05/06/10 17:06	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.7	1		05/06/10 17:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.7	1		05/06/10 17:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.7	1		05/06/10 17:06	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.7	1		05/06/10 17:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.7	1		05/06/10 17:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.7	1		05/06/10 17:06	10061-02-6	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H  
Pace Project No.: 3027140

Sample: 2H/4H-10 Lab ID: 3027140011 Collected: 05/04/10 14:45 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	5.7	1		05/06/10 17:06	100-41-4	
2-Hexanone	ND	ug/kg	11.4	1		05/06/10 17:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.7	1		05/06/10 17:06	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.7	1		05/06/10 17:06	99-87-6	
Methylene Chloride	ND	ug/kg	5.7	1		05/06/10 17:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.4	1		05/06/10 17:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.7	1		05/06/10 17:06	1634-04-4	
Naphthalene	10.2	ug/kg	5.7	1		05/06/10 17:06	91-20-3	
n-Propylbenzene	ND	ug/kg	5.7	1		05/06/10 17:06	103-65-1	
Styrene	ND	ug/kg	5.7	1		05/06/10 17:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.7	1		05/06/10 17:06	79-34-5	
Tetrachloroethene	ND	ug/kg	5.7	1		05/06/10 17:06	127-18-4	
Toluene	5.7	ug/kg	5.7	1		05/06/10 17:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	5.7	1		05/06/10 17:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.7	1		05/06/10 17:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.7	1		05/06/10 17:06	79-00-5	
Trichloroethene	ND	ug/kg	5.7	1		05/06/10 17:06	79-01-6	
1,2,4-Trimethylbenzene	29.0	ug/kg	5.7	1		05/06/10 17:06	95-63-6	
1,3,5-Trimethylbenzene	10.2	ug/kg	5.7	1		05/06/10 17:06	108-67-8	
Vinyl chloride	ND	ug/kg	5.7	1		05/06/10 17:06	75-01-4	
Xylene (Total)	19.9	ug/kg	17.0	1		05/06/10 17:06	1330-20-7	
m&p-Xylene	13.5	ug/kg	11.4	1		05/06/10 17:06	179601-23-1	
o-Xylene	6.4	ug/kg	5.7	1		05/06/10 17:06	95-47-6	
Toluene-d8 (S)	96	%	70-130	1		05/06/10 17:06	2037-26-5	
4-Bromofluorobenzene (S)	111	%	70-130	1		05/06/10 17:06	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	70-130	1		05/06/10 17:06	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	16.3	%	0.10	1		05/05/10 20:54		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	25.1	mg/kg	5.7	1		05/08/10 15:59	7664-41-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No: 3027140

<b>Sample:</b> [REDACTED] 2H/4H-10 (ASTM)		<b>Lab ID:</b> 3027140012	Collected: 05/04/10 14.45		Received: 05/05/10 13.40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/07/10 15.01		
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND	mg/L	3.0	1		05/08/10 11.25	16887-00-6	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project. [REDACTED] 2H/4H

Pace Project No : 3027140

Sample: [REDACTED] 2H/4H-4 Lab ID: 3027140013 Collected: 05/04/10 15:00 Received: 05/05/10 13 40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	8830	mg/kg	6.4	1	05/06/10 19:05	05/07/10 14:09	7429-90-5	
Antimony	0.65	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:09	7440-36-0	
Arsenic	1.7	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:09	7440-38-2	
Barium	317	mg/kg	1.3	1	05/06/10 19:05	05/07/10 14:09	7440-39-3	
Beryllium	0.75	mg/kg	0.13	1	05/06/10 19:05	05/07/10 14:09	7440-41-7	
Boron	4.6	mg/kg	3.2	1	05/06/10 19:05	05/07/10 14:09	7440-42-8	
Cadmium	ND	mg/kg	0.13	1	05/06/10 19:05	05/07/10 14:09	7440-43-9	
Calcium	1260	mg/kg	128	1	05/06/10 19:05	05/07/10 14:09	7440-70-2	
Chromium	12.9	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:09	7440-47-3	
Cobalt	9.2	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:09	7440-48-4	
Copper	2.1	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:09	7440-50-8	
Iron	26000	mg/kg	6.4	1	05/06/10 19:05	05/07/10 14:09	7439-89-6	
Lead	1.8	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:09	7439-92-1	
Magnesium	3830	mg/kg	31.9	1	05/06/10 19:05	05/07/10 14:09	7439-95-4	
Manganese	346	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:09	7439-96-5	
Molybdenum	ND	mg/kg	1.3	1	05/06/10 19:05	05/07/10 14:09	7439-98-7	
Nickel	22.1	mg/kg	1.3	1	05/06/10 19:05	05/07/10 14:09	7440-02-0	
Potassium	1190	mg/kg	31.9	1	05/06/10 19:05	05/07/10 14:09	7440-09-7	
Selenium	ND	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:09	7782-49-2	
Silver	ND	mg/kg	0.13	1	05/06/10 19:05	05/07/10 14:09	7440-22-4	
Sodium	ND	mg/kg	319	1	05/06/10 19:05	05/07/10 14:09	7440-23-5	
Thallium	ND	mg/kg	1.3	1	05/06/10 19:05	05/07/10 14:09	7440-28-0	
Vanadium	10.9	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:09	7440-62-2	
Zinc	40.0	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:09	7440-56-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.11	1	05/07/10 12:10	05/10/10 09 41	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	83-32-9	
Acenaphthylene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	208-96-8	
Anthracene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	120-12-7	
Azobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	103-33-3	
Benzo(a)anthracene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	56-55-3	
Benzo(a)pyrene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	207-08-9	
Benzoic acid	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 12:28	65-85-0	
Benzyl alcohol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	101-55-3	
Butylbenzylphthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	85-68-7	
Carbazole	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	59-50-7	
4-Chloroaniline	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	106-47-8	

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### REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-4 Lab ID: 3027140013 Collected 05/04/10 15:00 Received 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	108-60-1	
2-Chloronaphthalene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	91-58-7	
2-Chlorophenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	7005-72-3	
Chrysene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	53-70-3	
Dibenzofuran	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	120-83-2	
Diethylphthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	105-67-9	
Dimethylphthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	131-11-3	
Di-n-butylphthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 12:28	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 12:28	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	606-20-2	
Di-n-octylphthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	117-81-7	
Fluoranthene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	206-44-0	
Fluorene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	87-68-3	
Hexachlorobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	77-47-4	
Hexachloroethane	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	193-39-5	
Isophorone	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	78-59-1	
1-Methylnaphthalene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	90-12-0	
2-Methylnaphthalene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	720	1	05/06/10 16:43	05/11/10 12:28		
Naphthalene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	91-20-3	
2-Nitroaniline	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 12:28	88-74-4	
3-Nitroaniline	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 12:28	99-09-2	
4-Nitroaniline	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 12:28	100-01-6	
Nitrobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	98-95-3	
2-Nitrophenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	88-75-5	
4-Nitrophenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No: 3027140

Sample: 2H/4H-4 Lab ID: 3027140013 Collected 05/04/10 15:00 Received 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
			Analytical Method: EPA 8270 Preparation Method: EPA 3546					
N-Nitrosodiphenylamine	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	86-30-6	
Pentachlorophenol	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 12:28	87-86-5	
Phenanthrene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	85-01-8	
Phenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	108-95-2	
Pyrene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	901	1	05/06/10 16:43	05/11/10 12:28	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	360	1	05/06/10 16:43	05/11/10 12:28	88-06-2	
Nitrobenzene-d5 (S)	62	%	35-114	1	05/06/10 16:43	05/11/10 12:28	4165-60-0	
2-Fluorobiphenyl (S)	91	%	43-116	1	05/06/10 16:43	05/11/10 12:28	321-60-8	
Terphenyl-d14 (S)	109	%	33-141	1	05/06/10 16:43	05/11/10 12:28	1718-51-0	
Phenol-d6 (S)	65	%	10-110	1	05/06/10 16:43	05/11/10 12:28	13127-88-3	
2-Fluorophenol (S)	82	%	21-110	1	05/06/10 16:43	05/11/10 12:28	367-12-4	
2,4,6-Tribromophenol (S)	87	%	10-123	1	05/06/10 16:43	05/11/10 12:28	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	28.0	ug/kg	9.3	1	05/06/10 17:30	67-64-1	
Benzene	ND	ug/kg	4.6	1	05/06/10 17:30	71-43-2	
Bromochloromethane	ND	ug/kg	4.6	1	05/06/10 17:30	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1	05/06/10 17:30	75-27-4	
Bromoform	ND	ug/kg	4.6	1	05/06/10 17:30	75-25-2	
Bromomethane	ND	ug/kg	4.6	1	05/06/10 17:30	74-83-9	
TOTAL BTEX	ND	ug/kg	27.8	1	05/06/10 17:30		
2-Butanone (MEK)	ND	ug/kg	9.3	1	05/06/10 17:30	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1	05/06/10 17:30	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1	05/06/10 17:30	135-98-8	
Carbon disulfide	ND	ug/kg	4.6	1	05/06/10 17:30	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1	05/06/10 17:30	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1	05/06/10 17:30	108-90-7	
Chloroethane	ND	ug/kg	4.6	1	05/06/10 17:30	75-00-3	
Chloroform	ND	ug/kg	4.6	1	05/06/10 17:30	67-66-3	
Chloromethane	ND	ug/kg	4.6	1	05/06/10 17:30	74-87-3	
Dibromochloromethane	ND	ug/kg	4.6	1	05/06/10 17:30	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1	05/06/10 17:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1	05/06/10 17:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1	05/06/10 17:30	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.6	1	05/06/10 17:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1	05/06/10 17:30	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	9.3	1	05/06/10 17:30	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.6	1	05/06/10 17:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1	05/06/10 17:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1	05/06/10 17:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1	05/06/10 17:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1	05/06/10 17:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1	05/06/10 17:30	10061-02-6	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H  
Pace Project No.: 3027140

Sample: 2H/4H-4 Lab ID: 3027140013 Collected: 05/04/10 15:00 Received: 05/05/10 13:40 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.6	1		05/06/10 17:30	100-41-4	
2-Hexanone	ND	ug/kg	9.3	1		05/06/10 17:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		05/06/10 17:30	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		05/06/10 17:30	99-87-6	
Methylene Chloride	ND	ug/kg	4.6	1		05/06/10 17:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.3	1		05/06/10 17:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		05/06/10 17:30	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		05/06/10 17:30	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		05/06/10 17:30	103-65-1	
Styrene	ND	ug/kg	4.6	1		05/06/10 17:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		05/06/10 17:30	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		05/06/10 17:30	127-18-4	
Toluene	ND	ug/kg	4.6	1		05/06/10 17:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		05/06/10 17:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		05/06/10 17:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		05/06/10 17:30	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		05/06/10 17:30	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		05/06/10 17:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		05/06/10 17:30	108-67-8	
Vinyl chloride	ND	ug/kg	4.6	1		05/06/10 17:30	75-01-4	
Xylene (Total)	ND	ug/kg	13.9	1		05/06/10 17:30	1330-20-7	
m&p-Xylene	ND	ug/kg	9.3	1		05/06/10 17:30	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1		05/06/10 17:30	95-47-6	
Toluene-d8 (S)	88	%	70-130	1		05/06/10 17:30	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130	1		05/06/10 17:30	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130	1		05/06/10 17:30	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	9.9	%	0.10	1		05/06/10 17:26		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	8.0	mg/kg	5.3	1		05/08/10 16:00	7664-41-7	

Date: 06/16/2010 08:32 AM

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

<b>Sample:</b> <span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-4(ASTM)		<b>Lab ID:</b> 3027140014	Collected: 05/04/10 15:00	Received: 05/05/10 13:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/07/10 15:01		
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND	mg/L	3.0	1		05/08/10 11:26	16887-00-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3027140

Sample: XXXXXXXXXX 2H/4H-5 Lab ID: 3027140015 Collected: 05/04/10 15:10 Received: 05/05/10 13:40 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	9670	mg/kg	6.1	1	05/06/10 19:05	05/07/10 14:26	7429-90-5	
Antimony	0.43	mg/kg	0.30	1	05/06/10 19:05	05/07/10 14:26	7440-36-0	
Arsenic	1.1	mg/kg	0.30	1	05/06/10 19:05	05/07/10 14:26	7440-38-2	
Barium	403	mg/kg	1.2	1	05/06/10 19:05	05/07/10 14:26	7440-39-3	
Beryllium	0.68	mg/kg	0.12	1	05/06/10 19:05	05/07/10 14:26	7440-41-7	
Boron	3.9	mg/kg	3.0	1	05/06/10 19:05	05/07/10 14:26	7440-42-8	
Cadmium	ND	mg/kg	0.12	1	05/06/10 19:05	05/07/10 14:26	7440-43-9	
Calcium	1490	mg/kg	122	1	05/06/10 19:05	05/07/10 14:26	7440-70-2	
Chromium	14.4	mg/kg	0.30	1	05/06/10 19:05	05/07/10 14:26	7440-47-3	
Cobalt	9.9	mg/kg	0.61	1	05/06/10 19:05	05/07/10 14:26	7440-48-4	
Copper	2.1	mg/kg	0.61	1	05/06/10 19:05	05/07/10 14:26	7440-50-8	
Iron	26000	mg/kg	6.1	1	05/06/10 19:05	05/07/10 14:26	7439-89-6	
Lead	1.5	mg/kg	0.30	1	05/06/10 19:05	05/07/10 14:26	7439-92-1	
Magnesium	4300	mg/kg	30.4	1	05/06/10 19:05	05/07/10 14:26	7439-95-4	
Manganese	265	mg/kg	0.61	1	05/06/10 19:05	05/07/10 14:26	7439-96-5	
Molybdenum	ND	mg/kg	1.2	1	05/06/10 19:05	05/07/10 14:26	7439-98-7	
Nickel	23.2	mg/kg	1.2	1	05/06/10 19:05	05/07/10 14:26	7440-02-0	
Potassium	1330	mg/kg	30.4	1	05/06/10 19:05	05/07/10 14:26	7440-09-7	
Selenium	ND	mg/kg	0.30	1	05/06/10 19:05	05/07/10 14:26	7782-49-2	
Silver	ND	mg/kg	0.12	1	05/06/10 19:05	05/07/10 14:26	7440-22-4	
Sodium	ND	mg/kg	304	1	05/06/10 19:05	05/07/10 14:26	7440-23-5	
Thallium	ND	mg/kg	1.2	1	05/06/10 19:05	05/07/10 14:26	7440-28-0	
Vanadium	12.2	mg/kg	0.61	1	05/06/10 19:05	05/07/10 14:26	7440-62-2	
Zinc	43.9	mg/kg	0.61	1	05/06/10 19:05	05/07/10 14:26	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.10	1	05/07/10 12:10	05/10/10 09:43	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	83-32-9	
Acenaphthylene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	208-96-8	
Anthracene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	120-12-7	
Azobenzene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	103-33-3	
Benzo(a)anthracene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	56-55-3	
Benzo(a)pyrene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	207-08-9	
Benzoic acid	ND	ug/kg	880	1	05/06/10 16:43	05/11/10 12:51	65-85-0	
Benzyl alcohol	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	101-55-3	
Butylbenzylphthalate	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	85-68-7	
Carbazole	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	59-50-7	
4-Chloroaniline	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	106-47-8	

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(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027140

Sample: 2H/4H-5 Lab ID: 3027140015 Collected: 05/04/10 15:10 Received: 05/05/10 13:40 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	108-60-1	
2-Chloronaphthalene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	91-58-7	
2-Chlorophenol	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	7005-72-3	
Chrysene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	106-46-7	
Dibenzofuran	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	120-83-2	
Diethylphthalate	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	105-67-9	
Dimethylphthalate	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	131-11-3	
Di-n-butylphthalate	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	880	1	05/06/10 16:43	05/11/10 12:51	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	880	1	05/06/10 16:43	05/11/10 12:51	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	606-20-2	
Di-n-octylphthalate	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	117-81-7	
Fluoranthene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	206-44-0	
Fluorene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	87-68-3	
Hexachlorobenzene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	77-47-4	
Hexachloroethane	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	193-39-5	
Isophorone	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	78-59-1	
1-Methylnaphthalene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	90-12-0	
2-Methylnaphthalene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	703	1	05/06/10 16:43	05/11/10 12:51		
Naphthalene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	91-20-3	
2-Nitroaniline	ND	ug/kg	880	1	05/06/10 16:43	05/11/10 12:51	88-74-4	
3-Nitroaniline	ND	ug/kg	880	1	05/06/10 16:43	05/11/10 12:51	99-09-2	
4-Nitroaniline	ND	ug/kg	880	1	05/06/10 16:43	05/11/10 12:51	100-01-6	
Nitrobenzene	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	98-95-3	
2-Nitrophenol	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	88-75-5	
4-Nitrophenol	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027140

Sample: [REDACTED] 2H/4H-5 Lab ID: 3027140015 Collected: 05/04/10 15:10 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
			Analytical Method: EPA 8270 Preparation Method: EPA 3546					
N-Nitrosodiphenylamine	ND ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	86-30-6		
Pentachlorophenol	ND ug/kg	880	1	05/06/10 16:43	05/11/10 12:51	87-86-5		
Phenanthrene	ND ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	85-01-8		
Phenol	ND ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	108-95-2		
Pyrene	ND ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	129-00-0		
1,2,4-Trichlorobenzene	ND ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	120-82-1		
2,4,5-Trichlorophenol	ND ug/kg	880	1	05/06/10 16:43	05/11/10 12:51	95-95-4		
2,4,6-Trichlorophenol	ND ug/kg	352	1	05/06/10 16:43	05/11/10 12:51	88-06-2		
Nitrobenzene-d5 (S)	82 %	35-114	1	05/06/10 16:43	05/11/10 12:51	4165-60-0		
2-Fluorobiphenyl (S)	85 %	43-116	1	05/06/10 16:43	05/11/10 12:51	321-60-8		
Terphenyl-d14 (S)	108 %	33-141	1	05/06/10 16:43	05/11/10 12:51	1718-51-0		
Phenol-d6 (S)	93 %	10-110	1	05/06/10 16:43	05/11/10 12:51	13127-88-3		
2-Fluorophenol (S)	101 %	21-110	1	05/06/10 16:43	05/11/10 12:51	367-12-4		
2,4,6-Tribromophenol (S)	97 %	10-123	1	05/06/10 16:43	05/11/10 12:51	118-79-6		

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	105 ug/kg	36.1	1	05/06/10 17:54	67-64-1	
Benzene	ND ug/kg	18.0	1	05/06/10 17:54	71-43-2	
Bromochloromethane	ND ug/kg	18.0	1	05/06/10 17:54	74-97-5	
Bromodichloromethane	ND ug/kg	18.0	1	05/06/10 17:54	75-27-4	
Bromoform	ND ug/kg	18.0	1	05/06/10 17:54	75-25-2	
Bromomethane	ND ug/kg	18.0	1	05/06/10 17:54	74-83-9	
TOTAL BTEX	ND ug/kg	108	1	05/06/10 17:54		
2-Butanone (MEK)	ND ug/kg	36.1	1	05/06/10 17:54	78-93-3	
n-Butylbenzene	ND ug/kg	18.0	1	05/06/10 17:54	104-51-8	
sec-Butylbenzene	ND ug/kg	18.0	1	05/06/10 17:54	135-98-8	
Carbon disulfide	ND ug/kg	18.0	1	05/06/10 17:54	75-15-0	
Carbon tetrachloride	ND ug/kg	18.0	1	05/06/10 17:54	56-23-5	
Chlorobenzene	ND ug/kg	18.0	1	05/06/10 17:54	108-90-7	
Chloroethane	ND ug/kg	18.0	1	05/06/10 17:54	75-00-3	
Chloroform	ND ug/kg	18.0	1	05/06/10 17:54	67-66-3	
Chloromethane	ND ug/kg	18.0	1	05/06/10 17:54	74-87-3	
Dibromochloromethane	ND ug/kg	18.0	1	05/06/10 17:54	124-48-1	
1,2-Dichlorobenzene	ND ug/kg	18.0	1	05/06/10 17:54	95-50-1	
1,3-Dichlorobenzene	ND ug/kg	18.0	1	05/06/10 17:54	541-73-1	
1,4-Dichlorobenzene	ND ug/kg	18.0	1	05/06/10 17:54	106-46-7	
1,1-Dichloroethane	ND ug/kg	18.0	1	05/06/10 17:54	75-34-3	
1,2-Dichloroethane	ND ug/kg	18.0	1	05/06/10 17:54	107-06-2	
1,2-Dichloroethene (Total)	ND ug/kg	36.1	1	05/06/10 17:54	540-59-0	
1,1-Dichloroethene	ND ug/kg	18.0	1	05/06/10 17:54	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg	18.0	1	05/06/10 17:54	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg	18.0	1	05/06/10 17:54	156-60-5	
1,2-Dichloropropane	ND ug/kg	18.0	1	05/06/10 17:54	78-87-5	
cis-1,3-Dichloropropene	ND ug/kg	18.0	1	05/06/10 17:54	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg	18.0	1	05/06/10 17:54	10061-02-6	

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(724)850-6600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-5 Lab ID: 3027140015 Collected: 05/04/10 15:10 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	18.0	1		05/06/10 17:54	100-41-4	
2-Hexanone	ND	ug/kg	36.1	1		05/06/10 17:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	18.0	1		05/06/10 17:54	98-82-8	
p-Isopropyltoluene	ND	ug/kg	18.0	1		05/06/10 17:54	99-87-6	
Methylene Chloride	ND	ug/kg	18.0	1		05/06/10 17:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	36.1	1		05/06/10 17:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	18.0	1		05/06/10 17:54	1634-04-4	
Naphthalene	ND	ug/kg	18.0	1		05/06/10 17:54	91-20-3	
n-Propylbenzene	ND	ug/kg	18.0	1		05/06/10 17:54	103-65-1	
Styrene	ND	ug/kg	18.0	1		05/06/10 17:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	18.0	1		05/06/10 17:54	79-34-5	
Tetrachloroethene	ND	ug/kg	18.0	1		05/06/10 17:54	127-18-4	
Toluene	ND	ug/kg	18.0	1		05/06/10 17:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	18.0	1		05/06/10 17:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	18.0	1		05/06/10 17:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	18.0	1		05/06/10 17:54	79-00-5	
Trichloroethene	ND	ug/kg	18.0	1		05/06/10 17:54	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	18.0	1		05/06/10 17:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	18.0	1		05/06/10 17:54	108-67-8	
Vinyl chloride	ND	ug/kg	18.0	1		05/06/10 17:54	75-01-4	
Xylene (Total)	ND	ug/kg	54.1	1		05/06/10 17:54	1330-20-7	
m&p-Xylene	ND	ug/kg	36.1	1		05/06/10 17:54	179601-23-1	
o-Xylene	ND	ug/kg	18.0	1		05/06/10 17:54	95-47-6	
Toluene-d8 (S)	92	%	70-130	1		05/06/10 17:54	2037-26-5	
4-Bromofluorobenzene (S)	106	%	70-130	1		05/06/10 17:54	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	70-130	1		05/06/10 17:54	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	7.7	%	0.10	1		05/06/10 17:27		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	16.2	mg/kg	5.0	1		05/08/10 16 01	7664-41-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027140

<b>Sample:</b> [REDACTED] 2H/4H-5 (ASTM)		<b>Lab ID:</b> 3027140016	Collected: 05/04/10 15:10		Received: 05/05/10 13:40	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/07/10 15:01		
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND	mg/L	3.0	1		05/08/10 11:27	16887-00-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project XXXXXXXXXX 2H/4H  
Pace Project No : 3027140

Sample: XXXXXXXXXX 2H/4H-3 Lab ID: 3027140017 Collected: 05/04/10 15:20 Received: 05/05/10 13:40 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	9130	mg/kg	6.4	1	05/06/10 19:05	05/07/10 14:29	7429-90-5	
Antimony	0.38	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:29	7440-36-0	
Arsenic	2.1	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:29	7440-38-2	
Barium	281	mg/kg	1.3	1	05/06/10 19:05	05/07/10 14:29	7440-39-3	
Beryllium	0.56	mg/kg	0.13	1	05/06/10 19:05	05/07/10 14:29	7440-41-7	
Boron	3.3	mg/kg	3.2	1	05/06/10 19:05	05/07/10 14:29	7440-42-8	
Cadmium	ND	mg/kg	0.13	1	05/06/10 19:05	05/07/10 14:29	7440-43-9	
Calcium	1220	mg/kg	129	1	05/06/10 19:05	05/07/10 14:29	7440-70-2	
Chromium	13.2	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:29	7440-47-3	
Cobalt	8.9	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:29	7440-48-4	
Copper	4.6	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:29	7440-50-8	
Iron	23200	mg/kg	6.4	1	05/06/10 19:05	05/07/10 14:29	7439-89-6	
Lead	2.0	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:29	7439-92-1	
Magnesium	4100	mg/kg	32.2	1	05/06/10 19:05	05/07/10 14:29	7439-95-4	
Manganese	625	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:29	7439-96-5	
Molybdenum	ND	mg/kg	1.3	1	05/06/10 19:05	05/07/10 14:29	7439-98-7	
Nickel	21.1	mg/kg	1.3	1	05/06/10 19:05	05/07/10 14:29	7440-02-0	
Potassium	1090	mg/kg	32.2	1	05/06/10 19:05	05/07/10 14:29	7440-09-7	
Selenium	ND	mg/kg	0.32	1	05/06/10 19:05	05/07/10 14:29	7782-49-2	
Silver	ND	mg/kg	0.13	1	05/06/10 19:05	05/07/10 14:29	7440-22-4	
Sodium	ND	mg/kg	322	1	05/06/10 19:05	05/07/10 14:29	7440-23-5	
Thallium	ND	mg/kg	1.3	1	05/06/10 19:05	05/07/10 14:29	7440-28-0	
Vanadium	11.1	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:29	7440-82-2	
Zinc	42.5	mg/kg	0.64	1	05/06/10 19:05	05/07/10 14:29	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.11	1	05/07/10 12:10	05/10/10 09:44	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	83-32-9	
Acenaphthylene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	208-96-8	
Anthracene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	120-12-7	
Azobenzene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	103-33-3	
Benzo(a)anthracene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	56-55-3	
Benzo(a)pyrene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	207-08-9	
Benzoic acid	ND	ug/kg	893	1	05/06/10 16:43	05/11/10 13:14	65-85-0	
Benzyl alcohol	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	101-55-3	
Butylbenzylphthalate	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	85-68-7	
Carbazole	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	59-50-7	
4-Chloroaniline	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	106-47-8	

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### REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.. 3027140

Sample: 2H/4H-3 Lab ID: 3027140017 Collected: 05/04/10 15:20 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	108-60-1	
2-Chloronaphthalene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	91-58-7	
2-Chlorophenol	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	7005-72-3	
Chrysene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	53-70-3	
Dibenzofuran	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	120-83-2	
Diethylphthalate	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	105-67-9	
Dimethylphthalate	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	131-11-3	
Di-n-butylphthalate	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	893	1	05/06/10 16:43	05/11/10 13:14	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	893	1	05/06/10 16:43	05/11/10 13:14	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	606-20-2	
Di-n-octylphthalate	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	117-81-7	
Fluoranthene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	206-44-0	
Fluorene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	87-68-3	
Hexachlorobenzene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	77-47-4	
Hexachloroethane	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	193-39-5	
Isophorone	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	78-59-1	
1-Methylnaphthalene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	90-12-0	
2-Methylnaphthalene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	714	1	05/06/10 16:43	05/11/10 13:14		
Naphthalene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	91-20-3	
2-Nitroaniline	ND	ug/kg	893	1	05/06/10 16:43	05/11/10 13:14	88-74-4	
3-Nitroaniline	ND	ug/kg	893	1	05/06/10 16:43	05/11/10 13:14	99-09-2	
4-Nitroaniline	ND	ug/kg	893	1	05/06/10 16:43	05/11/10 13:14	100-01-6	
Nitrobenzene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	98-95-3	
2-Nitrophenol	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	88-75-5	
4-Nitrophenol	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

Sample: XXXXXXXXXX 2H/4H-3 Lab ID: 3027140017 Collected: 05/04/10 15:20 Received: 05/05/10 13:40 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	86-30-6	
Pentachlorophenol	ND	ug/kg	893	1	05/06/10 16:43	05/11/10 13:14	87-86-5	
Phenanthrene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	85-01-8	
Phenol	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	108-95-2	
Pyrene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	893	1	05/06/10 16:43	05/11/10 13:14	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	357	1	05/06/10 16:43	05/11/10 13:14	88-06-2	
Nitrobenzene-d5 (S)	59 %		35-114	1	05/06/10 16:43	05/11/10 13:14	4165-60-0	
2-Fluorobiphenyl (S)	80 %		43-116	1	05/06/10 16:43	05/11/10 13:14	321-60-8	
Terphenyl-d14 (S)	88 %		33-141	1	05/06/10 16:43	05/11/10 13:14	1718-51-0	
Phenol-d6 (S)	63 %		10-110	1	05/06/10 16:43	05/11/10 13:14	13127-88-3	
2-Fluorophenol (S)	75 %		21-110	1	05/06/10 16:43	05/11/10 13:14	367-12-4	
2,4,6-Tribromophenol (S)	70 %		10-123	1	05/06/10 16:43	05/11/10 13:14	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	89.5	ug/kg	7.9	1		05/10/10 12:07	67-64-1	
Benzene	ND	ug/kg	4.0	1		05/10/10 12:07	71-43-2	
Bromochloromethane	ND	ug/kg	4.0	1		05/10/10 12:07	74-97-5	
Bromodichloromethane	ND	ug/kg	4.0	1		05/10/10 12:07	75-27-4	
Bromoform	ND	ug/kg	4.0	1		05/10/10 12:07	75-25-2	
Bromomethane	ND	ug/kg	4.0	1		05/10/10 12:07	74-83-9	
TOTAL BTEX	ND	ug/kg	23.8	1		05/10/10 12:07		
2-Butanone (MEK)	ND	ug/kg	7.9	1		05/10/10 12:07	78-93-3	
n-Butylbenzene	ND	ug/kg	4.0	1		05/10/10 12:07	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.0	1		05/10/10 12:07	135-98-8	
Carbon disulfide	8.1	ug/kg	4.0	1		05/10/10 12:07	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.0	1		05/10/10 12:07	56-23-5	
Chlorobenzene	ND	ug/kg	4.0	1		05/10/10 12:07	108-90-7	
Chloroethane	ND	ug/kg	4.0	1		05/10/10 12:07	75-00-3	
Chloroform	ND	ug/kg	4.0	1		05/10/10 12:07	67-66-3	
Chloromethane	ND	ug/kg	4.0	1		05/10/10 12:07	74-87-3	
Dibromochloromethane	ND	ug/kg	4.0	1		05/10/10 12:07	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.0	1		05/10/10 12:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.0	1		05/10/10 12:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.0	1		05/10/10 12:07	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.0	1		05/10/10 12:07	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.0	1		05/10/10 12:07	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	7.9	1		05/10/10 12:07	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.0	1		05/10/10 12:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.0	1		05/10/10 12:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.0	1		05/10/10 12:07	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.0	1		05/10/10 12:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.0	1		05/10/10 12:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.0	1		05/10/10 12:07	10061-02-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027140

Sample: [REDACTED] 2H/4H-3 Lab ID: 3027140017 Collected: 05/04/10 15:20 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8260 MSV 5030 Low Level</b>								
Analytical Method EPA 8260								
Ethylbenzene	ND	ug/kg	4.0	1		05/10/10 12:07	100-41-4	
2-Hexanone	ND	ug/kg	7.9	1		05/10/10 12:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.0	1		05/10/10 12:07	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.0	1		05/10/10 12:07	99-87-6	
Methylene Chloride	ND	ug/kg	4.0	1		05/10/10 12:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.9	1		05/10/10 12:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.0	1		05/10/10 12:07	1634-04-4	
Naphthalene	ND	ug/kg	4.0	1		05/10/10 12:07	91-20-3	
n-Propylbenzene	ND	ug/kg	4.0	1		05/10/10 12:07	103-65-1	
Styrene	ND	ug/kg	4.0	1		05/10/10 12:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.0	1		05/10/10 12:07	79-34-5	
Tetrachloroethene	4.3	ug/kg	4.0	1		05/10/10 12:07	127-18-4	
Toluene	ND	ug/kg	4.0	1		05/10/10 12:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.0	1		05/10/10 12:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.0	1		05/10/10 12:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.0	1		05/10/10 12:07	79-00-5	
Trichloroethene	ND	ug/kg	4.0	1		05/10/10 12:07	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.0	1		05/10/10 12:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.0	1		05/10/10 12:07	108-67-8	
Vinyl chloride	ND	ug/kg	4.0	1		05/10/10 12:07	75-01-4	
Xylene (Total)	ND	ug/kg	11.9	1		05/10/10 12:07	1330-20-7	
m&p-Xylene	ND	ug/kg	7.9	1		05/10/10 12:07	179601-23-1	
o-Xylene	ND	ug/kg	4.0	1		05/10/10 12:07	95-47-6	
Toluene-d8 (S)	100	%	70-130	1		05/10/10 12:07	2037-26-5	
4-Bromofluorobenzene (S)	119	%	70-130	1		05/10/10 12:07	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		05/10/10 12:07	17060-07-0	
<b>Percent Moisture</b>								
Analytical Method ASTM D2974-87								
Percent Moisture	9.7	%	0.10	1		05/06/10 17:27		
<b>350.1 Ammonia</b>								
Analytical Method EPA 350.1								
Nitrogen, Ammonia	11.1	mg/kg	5.4	1		05/08/10 16:02	7664-41-7	

Date: 06/16/2010 08:32 AM

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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027140

Sample:	2H/4H-3(ASTM)	Lab ID: 3027140018	Collected	05/04/10 15:20	Received	05/05/10 13:40	Matrix:	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND mg/L		0.10	1		05/07/10 15:01		
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND mg/L		3.0	1		05/08/10 11:28	16887-00-6	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

Sample: XXXXXXXXXX 2H/4H-6 Lab ID: 3027140019 Collected: 05/04/10 15:30 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	5710	mg/kg	8.1	1	05/06/10 19:05	05/07/10 14:32	7429-90-5	
Antimony	ND	mg/kg	0.40	1	05/06/10 19:05	05/07/10 14:32	7440-36-0	
Arsenic	1.1	mg/kg	0.40	1	05/06/10 19:05	05/07/10 14:32	7440-38-2	
Barium	2450	mg/kg	16.1	10	05/06/10 19:05	05/10/10 10:45	7440-39-3	
Beryllium	0.31	mg/kg	0.16	1	05/06/10 19:05	05/07/10 14:32	7440-41-7	
Boron	ND	mg/kg	4.0	1	05/06/10 19:05	05/07/10 14:32	7440-42-8	
Cadmium	ND	mg/kg	0.16	1	05/06/10 19:05	05/07/10 14:32	7440-43-9	
Calcium	958	mg/kg	161	1	05/06/10 19:05	05/07/10 14:32	7440-70-2	
Chromium	7.8	mg/kg	0.40	1	05/06/10 19:05	05/07/10 14:32	7440-47-3	
Cobalt	6.2	mg/kg	0.81	1	05/06/10 19:05	05/07/10 14:32	7440-48-4	
Copper	2.8	mg/kg	0.81	1	05/06/10 19:05	05/07/10 14:32	7440-50-8	
Iron	14900	mg/kg	8.1	1	05/06/10 19:05	05/07/10 14:32	7439-89-6	
Lead	3.1	mg/kg	0.40	1	05/06/10 19:05	05/07/10 14:32	7439-92-1	
Magnesium	2620	mg/kg	40.3	1	05/06/10 19:05	05/07/10 14:32	7439-95-4	
Manganese	100	mg/kg	0.81	1	05/06/10 19:05	05/07/10 14:32	7439-96-5	
Molybdenum	ND	mg/kg	1.6	1	05/06/10 19:05	05/07/10 14:32	7439-98-7	
Nickel	13.4	mg/kg	1.6	1	05/06/10 19:05	05/07/10 14:32	7440-02-0	
Potassium	638	mg/kg	40.3	1	05/06/10 19:05	05/07/10 14:32	7440-09-7	
Selenium	ND	mg/kg	0.40	1	05/06/10 19:05	05/07/10 14:32	7782-49-2	
Silver	ND	mg/kg	0.16	1	05/06/10 19:05	05/07/10 14:32	7440-22-4	
Sodium	ND	mg/kg	403	1	05/06/10 19:05	05/07/10 14:32	7440-23-5	
Thallium	ND	mg/kg	1.6	1	05/06/10 19:05	05/07/10 14:32	7440-28-0	
Vanadium	6.9	mg/kg	0.81	1	05/06/10 19:05	05/07/10 14:32	7440-62-2	
Zinc	28.0	mg/kg	0.81	1	05/06/10 19:05	05/07/10 14:32	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.098	1	05/07/10 12:10	05/10/10 09:46	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	83-32-9	
Acenaphthylene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	208-96-8	
Anthracene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	120-12-7	
Azobenzene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	103-33-3	
Benzo(a)anthracene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	56-55-3	
Benzo(a)pyrene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	207-08-9	
Benzoic acid	ND	ug/kg	872	1	05/06/10 16:43	05/11/10 14:22	65-85-0	
Benzyl alcohol	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	101-55-3	
Butylbenzylphthalate	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	85-68-7	
Carbazole	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	59-50-7	
4-Chloroaniline	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No: 3027140

Sample: 2H/4H-6 Lab ID: 3027140019 Collected: 05/04/10 15:30 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	108-60-1	
2-Chloronaphthalene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	91-58-7	
2-Chlorophenol	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	7005-72-3	
Chrysene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	53-70-3	
Dibenzofuran	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	120-83-2	
Diethylphthalate	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	105-67-9	
Dimethylphthalate	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	131-11-3	
Di-n-butylphthalate	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	872	1	05/06/10 16:43	05/11/10 14:22	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	872	1	05/06/10 16:43	05/11/10 14:22	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	606-20-2	
Di-n-octylphthalate	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	117-81-7	
Fluoranthene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	206-44-0	
Fluorene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	87-68-3	
Hexachlorobenzene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	77-47-4	
Hexachloroethane	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	193-39-5	
Isophorone	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	78-59-1	
1-Methylnaphthalene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	90-12-0	
2-Methylnaphthalene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	697	1	05/06/10 16:43	05/11/10 14:22		
Naphthalene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	91-20-3	
2-Nitroaniline	ND	ug/kg	872	1	05/06/10 16:43	05/11/10 14:22	88-74-4	
3-Nitroaniline	ND	ug/kg	872	1	05/06/10 16:43	05/11/10 14:22	99-09-2	
4-Nitroaniline	ND	ug/kg	872	1	05/06/10 16:43	05/11/10 14:22	100-01-6	
Nitrobenzene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	98-95-3	
2-Nitrophenol	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	88-75-5	
4-Nitrophenol	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	621-64-7	

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(724)850-5600

## ANALYTICAL RESULTS

Project. [REDACTED] 2H/4H

Pace Project No.: 3027140

Sample: [REDACTED] 2H/4H-6 Lab ID: 3027140019 Collected: 05/04/10 15:30 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	86-30-6	
Pentachlorophenol	ND	ug/kg	872	1	05/06/10 16:43	05/11/10 14:22	87-86-5	
Phenanthrene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	85-01-8	
Phenol	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	108-95-2	
Pyrene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	872	1	05/06/10 16:43	05/11/10 14:22	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	349	1	05/06/10 16:43	05/11/10 14:22	88-06-2	
Nitrobenzene-d5 (S)	71 %		35-114	1	05/06/10 16:43	05/11/10 14:22	4165-60-0	
2-Fluorobiphenyl (S)	82 %		43-116	1	05/06/10 16:43	05/11/10 14:22	321-60-8	
Terphenyl-d14 (S)	102 %		33-141	1	05/06/10 16:43	05/11/10 14:22	1718-51-0	
Phenol-d6 (S)	68 %		10-110	1	05/06/10 16:43	05/11/10 14:22	13127-88-3	
2-Fluorophenol (S)	76 %		21-110	1	05/06/10 16:43	05/11/10 14:22	367-12-4	
2,4,6-Tribromophenol (S)	84 %		10-123	1	05/06/10 16:43	05/11/10 14:22	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	42.6	ug/kg	8.0	1	05/06/10 18:43	67-64-1	
Benzene	ND	ug/kg	4.0	1	05/06/10 18:43	71-43-2	
Bromochloromethane	ND	ug/kg	4.0	1	05/06/10 18:43	74-97-5	
Bromodichloromethane	ND	ug/kg	4.0	1	05/06/10 18:43	75-27-4	
Bromoform	ND	ug/kg	4.0	1	05/06/10 18:43	75-25-2	
Bromomethane	ND	ug/kg	4.0	1	05/06/10 18:43	74-83-9	
TOTAL BTEX	ND	ug/kg	24.0	1	05/06/10 18:43		
2-Butanone (MEK)	ND	ug/kg	8.0	1	05/06/10 18:43	78-93-3	
n-Butylbenzene	ND	ug/kg	4.0	1	05/06/10 18:43	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.0	1	05/06/10 18:43	135-98-8	
Carbon disulfide	ND	ug/kg	4.0	1	05/06/10 18:43	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.0	1	05/06/10 18:43	56-23-5	
Chlorobenzene	ND	ug/kg	4.0	1	05/06/10 18:43	108-90-7	
Chloroethane	ND	ug/kg	4.0	1	05/06/10 18:43	75-00-3	
Chloroform	ND	ug/kg	4.0	1	05/06/10 18:43	67-66-3	
Chloromethane	ND	ug/kg	4.0	1	05/06/10 18:43	74-87-3	
Dibromochloromethane	ND	ug/kg	4.0	1	05/06/10 18:43	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.0	1	05/06/10 18:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.0	1	05/06/10 18:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.0	1	05/06/10 18:43	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.0	1	05/06/10 18:43	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.0	1	05/06/10 18:43	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	8.0	1	05/06/10 18:43	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.0	1	05/06/10 18:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.0	1	05/06/10 18:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.0	1	05/06/10 18:43	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.0	1	05/06/10 18:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.0	1	05/06/10 18:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.0	1	05/06/10 18:43	10061-02-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-6 Lab ID: 3027140019 Collected: 05/04/10 15:30 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.0	1		05/06/10 18:43	100-41-4	
2-Hexanone	ND	ug/kg	8.0	1		05/06/10 18:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.0	1		05/06/10 18:43	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.0	1		05/06/10 18:43	99-87-6	
Methylene Chloride	ND	ug/kg	4.0	1		05/06/10 18:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.0	1		05/06/10 18:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.0	1		05/06/10 18:43	1634-04-4	
Naphthalene	ND	ug/kg	4.0	1		05/06/10 18:43	91-20-3	
n-Propylbenzene	ND	ug/kg	4.0	1		05/06/10 18:43	103-65-1	
Styrene	ND	ug/kg	4.0	1		05/06/10 18:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.0	1		05/06/10 18:43	79-34-5	
Tetrachloroethene	ND	ug/kg	4.0	1		05/06/10 18:43	127-18-4	
Toluene	ND	ug/kg	4.0	1		05/06/10 18:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.0	1		05/06/10 18:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.0	1		05/06/10 18:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.0	1		05/06/10 18:43	79-00-5	
Trichloroethene	ND	ug/kg	4.0	1		05/06/10 18:43	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.0	1		05/06/10 18:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.0	1		05/06/10 18:43	108-67-8	
Vinyl chloride	ND	ug/kg	4.0	1		05/06/10 18:43	75-01-4	
Xylene (Total)	ND	ug/kg	12.0	1		05/06/10 18:43	1330-20-7	
m&p-Xylene	ND	ug/kg	8.0	1		05/06/10 18:43	179601-23-1	
o-Xylene	ND	ug/kg	4.0	1		05/06/10 18:43	95-47-6	
Toluene-d8 (S)	90	%	70-130	1		05/06/10 18:43	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130	1		05/06/10 18:43	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-130	1		05/06/10 18:43	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	4.5	%	0.10	1		05/06/10 17:28		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	6.6	mg/kg	4.8	1		05/08/10 16:03	7664-41-7	

Date 06/16/2010 08:32 AM

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Greensburg, PA 15601  
(724)850-5600

### ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No: 3027140

<b>Sample:</b> [REDACTED] 2H/4H-6 (ASTM)		<b>Lab ID:</b> 3027140020	Collected: 05/04/10 15:30		Received: 05/05/10 13:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND mg/L		0.10	1		05/07/10 15:01		
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND mg/L		3.0	1		05/08/10 11:28	16887-00-6	

Date: 06/16/2010 08:32 AM

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## ANALYTICAL RESULTS

Project: 2H/4H  
Pace Project No.: 3027140

Sample: 2H/4H-8 Lab ID: 3027140021 Collected: 05/04/10 15:45 Received: 05/05/10 13:40 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	9600	mg/kg	11.0	1	05/06/10 19:05	05/07/10 14:35	7429-90-5	
Antimony	1.7	mg/kg	0.55	1	05/06/10 19:05	05/07/10 14:35	7440-36-0	
Arsenic	14.7	mg/kg	0.55	1	05/06/10 19:05	05/07/10 14:35	7440-38-2	
Barium	6200	mg/kg	22.0	10	05/06/10 19:05	05/10/10 10:47	7440-39-3	
Beryllium	0.54	mg/kg	0.22	1	05/06/10 19:05	05/07/10 14:35	7440-41-7	
Boron	7.4	mg/kg	5.5	1	05/06/10 19:05	05/07/10 14:35	7440-42-8	
Cadmium	ND	mg/kg	0.22	1	05/06/10 19:05	05/07/10 14:35	7440-43-9	
Calcium	16100	mg/kg	220	1	05/06/10 19:05	05/07/10 14:35	7440-70-2	
Chromium	15.4	mg/kg	0.55	1	05/06/10 19:05	05/07/10 14:35	7440-47-3	
Cobalt	15.0	mg/kg	1.1	1	05/06/10 19:05	05/07/10 14:35	7440-48-4	
Copper	36.7	mg/kg	1.1	1	05/06/10 19:05	05/07/10 14:35	7440-50-8	
Iron	24500	mg/kg	11.0	1	05/06/10 19:05	05/07/10 14:35	7439-89-6	
Lead	101	mg/kg	0.55	1	05/06/10 19:05	05/07/10 14:35	7439-92-1	
Magnesium	5750	mg/kg	55.0	1	05/06/10 19:05	05/07/10 14:35	7439-95-4	
Manganese	582	mg/kg	1.1	1	05/06/10 19:05	05/07/10 14:35	7439-96-5	
Molybdenum	6.5	mg/kg	2.2	1	05/06/10 19:05	05/07/10 14:35	7439-98-7	
Nickel	31.8	mg/kg	2.2	1	05/06/10 19:05	05/07/10 14:35	7440-02-0	
Potassium	1800	mg/kg	55.0	1	05/06/10 19:05	05/07/10 14:35	7440-09-7	
Selenium	ND	mg/kg	0.55	1	05/06/10 19:05	05/07/10 14:35	7782-49-2	
Silver	ND	mg/kg	0.22	1	05/06/10 19:05	05/07/10 14:35	7440-22-4	
Sodium	ND	mg/kg	550	1	05/06/10 19:05	05/07/10 14:35	7440-23-5	
Thallium	ND	mg/kg	2.2	1	05/06/10 19:05	05/07/10 14:35	7440-28-0	
Vanadium	16.7	mg/kg	1.1	1	05/06/10 19:05	05/07/10 14:35	7440-62-2	
Zinc	118	mg/kg	1.1	1	05/06/10 19:05	05/07/10 14:35	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.13	1	05/07/10 12:10	05/10/10 09:47	7439-97-6	
<b>8270 MSSF FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	83-32-9	
Acenaphthylene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	208-96-8	
Anthracene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	120-12-7	
Azobenzene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	103-33-3	
Benzo(a)anthracene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	56-55-3	
Benzo(a)pyrene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	207-08-9	
Benzoic acid	ND	ug/kg	1040	1	05/11/10 16:25	05/12/10 12:22	65-85-0	
Benzyl alcohol	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	101-55-3	
Butylbenzylphthalate	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	85-68-7	
Carbazole	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	59-50-7	
4-Chloroaniline	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	106-47-8	

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(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027140

Sample: [REDACTED] 2H/4H-8 Lab ID: 3027140021 Collected: 05/04/10 15 45 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	108-60-1	
2-Chloronaphthalene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	91-58-7	
2-Chlorophenol	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	7005-72-3	
Chrysene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	53-70-3	
Dibenzofuran	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	120-83-2	
Diethylphthalate	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	105-67-9	
Dimethylphthalate	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	131-11-3	
Di-n-butylphthalate	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1040	1	05/11/10 16:25	05/12/10 12:22	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1040	1	05/11/10 16:25	05/12/10 12:22	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	606-20-2	
Di-n-octylphthalate	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	117-81-7	
Fluoranthene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	206-44-0	
Fluorene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	87-68-3	
Hexachlorobenzene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	77-47-4	
Hexachloroethane	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	193-39-5	
Isophorone	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	78-59-1	
1-Methylnaphthalene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	90-12-0	
2-Methylnaphthalene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	828	1	05/11/10 16:25	05/12/10 12:22		
Naphthalene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	91-20-3	
2-Nitroaniline	ND	ug/kg	1040	1	05/11/10 16:25	05/12/10 12:22	88-74-4	
3-Nitroaniline	ND	ug/kg	1040	1	05/11/10 16:25	05/12/10 12:22	99-09-2	
4-Nitroaniline	ND	ug/kg	1040	1	05/11/10 16:25	05/12/10 12:22	100-01-6	
Nitrobenzene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	98-95-3	
2-Nitrophenol	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	88-75-5	
4-Nitrophenol	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	621-64-7	

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(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No 3027140

Sample: XXXXXXXXXX 2H/4H-8 Lab ID: 3027140021 Collected: 05/04/10 15:45 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	86-30-6	
Pentachlorophenol	ND	ug/kg	1040	1	05/11/10 16:25	05/12/10 12:22	87-86-5	
Phenanthrene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	85-01-8	
Phenol	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	108-95-2	
Pyrene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	1040	1	05/11/10 16:25	05/12/10 12:22	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	414	1	05/11/10 16:25	05/12/10 12:22	88-06-2	
Nitrobenzene-d5 (S)	70	%	35-114	1	05/11/10 16:25	05/12/10 12:22	4165-60-0	
2-Fluorobiphenyl (S)	77	%	43-116	1	05/11/10 16:25	05/12/10 12:22	321-60-8	
Terphenyl-d14 (S)	78	%	33-141	1	05/11/10 16:25	05/12/10 12:22	1718-51-0	
Phenol-d6 (S)	54	%	10-110	1	05/11/10 16:25	05/12/10 12:22	13127-88-3	
2-Fluorophenol (S)	24	%	21-110	1	05/11/10 16:25	05/12/10 12:22	367-12-4	
2,4,6-Tribromophenol (S)	12	%	10-123	1	05/11/10 16:25	05/12/10 12:22	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	370	ug/kg	13.8	1		05/06/10 19:07	67-64-1	
Benzene	ND	ug/kg	6.9	1		05/06/10 19:07	71-43-2	
Bromochloromethane	ND	ug/kg	6.9	1		05/06/10 19:07	74-97-5	
Bromodichloromethane	ND	ug/kg	6.9	1		05/06/10 19:07	75-27-4	
Bromoform	ND	ug/kg	6.9	1		05/06/10 19:07	75-25-2	
Bromomethane	ND	ug/kg	6.9	1		05/06/10 19:07	74-83-9	
TOTAL BTEX	ND	ug/kg	41.3	1		05/06/10 19:07		
2-Butanone (MEK)	62.9	ug/kg	13.8	1		05/06/10 19:07	78-93-3	
n-Butylbenzene	ND	ug/kg	6.9	1		05/06/10 19:07	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.9	1		05/06/10 19:07	135-98-8	
Carbon disulfide	8.4	ug/kg	6.9	1		05/06/10 19:07	75-15-0	
Carbon tetrachloride	ND	ug/kg	6.9	1		05/06/10 19:07	56-23-5	
Chlorobenzene	ND	ug/kg	6.9	1		05/06/10 19:07	108-90-7	
Chloroethane	ND	ug/kg	6.9	1		05/06/10 19:07	75-00-3	
Chloroform	ND	ug/kg	6.9	1		05/06/10 19:07	67-66-3	
Chloromethane	ND	ug/kg	6.9	1		05/06/10 19:07	74-87-3	
Dibromochloromethane	ND	ug/kg	6.9	1		05/06/10 19:07	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	6.9	1		05/06/10 19:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.9	1		05/06/10 19:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.9	1		05/06/10 19:07	106-46-7	
1,1-Dichloroethane	ND	ug/kg	6.9	1		05/06/10 19:07	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.9	1		05/06/10 19:07	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	13.8	1		05/06/10 19:07	540-59-0	
1,1-Dichloroethene	ND	ug/kg	6.9	1		05/06/10 19:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.9	1		05/06/10 19:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.9	1		05/06/10 19:07	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.9	1		05/06/10 19:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	6.9	1		05/06/10 19:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.9	1		05/06/10 19:07	10061-02-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-8 Lab ID: 3027140021 Collected: 05/04/10 15:45 Received: 05/05/10 13:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	6.9	1		05/06/10 19:07	100-41-4	
2-Hexanone	ND	ug/kg	13.8	1		05/06/10 19:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.9	1		05/06/10 19:07	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.9	1		05/06/10 19:07	99-87-6	
Methylene Chloride	ND	ug/kg	6.9	1		05/06/10 19:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	13.8	1		05/06/10 19:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.9	1		05/06/10 19:07	1634-04-4	
Naphthalene	ND	ug/kg	6.9	1		05/06/10 19:07	91-20-3	
n-Propylbenzene	ND	ug/kg	6.9	1		05/06/10 19:07	103-65-1	
Styrene	ND	ug/kg	6.9	1		05/06/10 19:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.9	1		05/06/10 19:07	79-34-5	
Tetrachloroethene	ND	ug/kg	6.9	1		05/06/10 19:07	127-18-4	
Toluene	ND	ug/kg	6.9	1		05/06/10 19:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	6.9	1		05/06/10 19:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.9	1		05/06/10 19:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.9	1		05/06/10 19:07	79-00-5	
Trichloroethene	ND	ug/kg	6.9	1		05/06/10 19:07	79-01-6	
1,2,4-Trimethylbenzene	11.4	ug/kg	6.9	1		05/06/10 19:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	6.9	1		05/06/10 19:07	108-67-8	
Vinyl chloride	ND	ug/kg	6.9	1		05/06/10 19:07	75-01-4	
Xylene (Total)	ND	ug/kg	20.6	1		05/06/10 19:07	1330-20-7	
m&p-Xylene	ND	ug/kg	13.8	1		05/06/10 19:07	179601-23-1	
o-Xylene	ND	ug/kg	6.9	1		05/06/10 19:07	95-47-6	
Toluene-d8 (S)	95	%	70-130	1		05/06/10 19:07	2037-26-5	
4-Bromofluorobenzene (S)	110	%	70-130	1		05/06/10 19:07	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	70-130	1		05/06/10 19:07	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	21.7	%	0.10	1		05/06/10 17:28		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	20.7	mg/kg	6.0	1		05/08/10 16:06	7664-41-7	

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## REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project XXXXXXXXXX 2H/4H  
Pace Project No : 3027140

<b>Sample:</b> <span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-8 (ASTM)		<b>Lab ID:</b> 3027140022	Collected: 05/04/10 15:45		Received: 05/05/10 13:40		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	0.18	mg/L	0.10	1		05/07/10 15:01		
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	11.1	mg/L	3.0	1		05/08/10 11:31	16887-00-6	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027140

Sample: 2H/4H-9 Lab ID: 3027140023 Collected: 05/04/10 16:00 Received: 05/05/10 13:40 Matrix: Solid

### Results reported on a "dry-weight" basis

Comments: • One internal standard recovery associated with the neat run of this sample exceed the lower control limit. Results may be biased high. Reanalysis of the sample yielded similar results and all internals in the dilution were within limits. Suspect sample matrix.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	27500	mg/kg	33.1	1	05/06/10 19:05	05/07/10 14:38	7429-90-5	
Antimony	3.6	mg/kg	1.7	1	05/06/10 19:05	05/07/10 14:38	7440-36-0	
Arsenic	15.6	mg/kg	1.7	1	05/06/10 19:05	05/07/10 14:38	7440-38-2	
Barium	19600	mg/kg	66.2	10	05/06/10 19:05	05/10/10 10:50	7440-39-3	
Beryllium	1.6	mg/kg	0.66	1	05/06/10 19:05	05/07/10 14:38	7440-41-7	
Boron	ND	mg/kg	16.5	1	05/06/10 19:05	05/07/10 14:38	7440-42-8	
Cadmium	ND	mg/kg	0.66	1	05/06/10 19:05	05/07/10 14:38	7440-43-9	
Calcium	6390	mg/kg	662	1	05/06/10 19:05	05/07/10 14:38	7440-70-2	
Chromium	42.1	mg/kg	1.7	1	05/06/10 19:05	05/07/10 14:38	7440-47-3	
Cobalt	39.5	mg/kg	3.3	1	05/06/10 19:05	05/07/10 14:38	7440-48-4	
Copper	53.8	mg/kg	3.3	1	05/06/10 19:05	05/07/10 14:38	7440-50-8	
Iron	59500	mg/kg	33.1	1	05/06/10 19:05	05/07/10 14:38	7439-89-6	
Lead	86.5	mg/kg	1.7	1	05/06/10 19:05	05/07/10 14:38	7439-92-1	
Magnesium	10800	mg/kg	165	1	05/06/10 19:05	05/07/10 14:38	7439-95-4	
Manganese	739	mg/kg	3.3	1	05/06/10 19:05	05/07/10 14:38	7439-96-5	
Molybdenum	10.5	mg/kg	6.6	1	05/06/10 19:05	05/07/10 14:38	7439-98-7	
Nickel	62.4	mg/kg	6.6	1	05/06/10 19:05	05/07/10 14:38	7440-02-0	
Potassium	5020	mg/kg	165	1	05/06/10 19:05	05/07/10 14:38	7440-09-7	
Selenium	ND	mg/kg	1.7	1	05/06/10 19:05	05/07/10 14:38	7782-49-2	
Silver	ND	mg/kg	0.66	1	05/06/10 19:05	05/07/10 14:38	7440-22-4	
Sodium	ND	mg/kg	1650	1	05/06/10 19:05	05/07/10 14:38	7440-23-5	
Thallium	ND	mg/kg	6.6	1	05/06/10 19:05	05/07/10 14:38	7440-28-0	
Vanadium	40.3	mg/kg	3.3	1	05/06/10 19:05	05/07/10 14:38	7440-62-2	
Zinc	157	mg/kg	3.3	1	05/06/10 19:05	05/07/10 14:38	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.38	1	05/07/10 12:10	05/10/10 09:49	7439-97-6
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### 8270 MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	83-32-9
Acenaphthylene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	208-96-8
Anthracene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	120-12-7
Azobenzene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	103-33-3
Benzo(a)anthracene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	56-55-3
Benzo(a)pyrene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	50-32-8
Benzo(b)fluoranthene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	205-99-2
Benzo(g,h,i)perylene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	191-24-2
Benzo(k)fluoranthene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	207-08-9
Benzoic acid	ND	ug/kg	3310	1	05/06/10 16:43	05/11/10 14:45	65-85-0
Benzyl alcohol	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	100-51-6
4-Bromophenylphenyl ether	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	101-55-3
Butylbenzylphthalate	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	85-68-7
Carbazole	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	86-74-8

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No: 3027140

Sample: [REDACTED] 2H/4H-9 Lab ID: 3027140023 Collected: 05/04/10 16:00 Received: 05/05/10 13:40 Matrix: Solid

### Results reported on a "dry-weight" basis

Comments: • One internal standard recovery associated with the neat run of this sample exceed the lower control limit. Results may be biased high. Reanalysis of the sample yielded similar results and all internals in the dilution were within limits. Suspect sample matrix.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Chloro-3-methylphenol	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	59-50-7	
4-Chloroaniline	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	108-60-1	
2-Chloronaphthalene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	91-58-7	
2-Chlorophenol	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	7005-72-3	
Chrysene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	53-70-3	
Dibenzofuran	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	120-83-2	
Diethylphthalate	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	105-67-9	
Dimethylphthalate	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	131-11-3	
Di-n-butylphthalate	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	3310	1	05/06/10 16:43	05/11/10 14:45	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	3310	1	05/06/10 16:43	05/11/10 14:45	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	606-20-2	
Di-n-octylphthalate	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	117-81-7	
Fluoranthene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	206-44-0	
Fluorene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	87-68-3	
Hexachlorobenzene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	77-47-4	
Hexachloroethane	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	193-39-5	
Isophorone	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	78-59-1	
1-Methylnaphthalene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	90-12-0	
2-Methylnaphthalene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	2640	1	05/06/10 16:43	05/11/10 14:45		
Naphthalene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	91-20-3	
2-Nitroaniline	ND	ug/kg	3310	1	05/06/10 16:43	05/11/10 14:45	88-74-4	
3-Nitroaniline	ND	ug/kg	3310	1	05/06/10 16:43	05/11/10 14:45	99-09-2	
4-Nitroaniline	ND	ug/kg	3310	1	05/06/10 16:43	05/11/10 14:45	100-01-6	
Nitrobenzene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	98-95-3	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

Sample: XXXXXXXXXX 2H/4H-9 Lab ID: 3027140023 Collected: 05/04/10 16:00 Received: 05/05/10 13:40 Matrix: Solid

**Results reported on a "dry-weight" basis**

Comments: • One internal standard recovery associated with the neat run of this sample exceed the lower control limit. Results may be biased high. Reanalysis of the sample yielded similar results and all internals in the dilution were within limits. Suspect sample matrix.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
2-Nitrophenol	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	88-75-5	
4-Nitrophenol	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	86-30-6	
Pentachlorophenol	ND	ug/kg	3310	1	05/06/10 16:43	05/11/10 14:45	87-86-5	
Phenanthrene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	85-01-8	
Phenol	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	108-95-2	
Pyrene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	3310	1	05/06/10 16:43	05/11/10 14:45	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	1320	1	05/06/10 16:43	05/11/10 14:45	88-06-2	
Nitrobenzene-d5 (S)	61 %		35-114	1	05/06/10 16:43	05/11/10 14:45	4165-60-0	
2-Fluorobiphenyl (S)	69 %		43-116	1	05/06/10 16:43	05/11/10 14:45	321-60-8	
Terphenyl-d14 (S)	81 %		33-141	1	05/06/10 16:43	05/11/10 14:45	1718-51-0	
Phenol-d6 (S)	57 %		10-110	1	05/06/10 16:43	05/11/10 14:45	13127-88-3	
2-Fluorophenol (S)	55 %		21-110	1	05/06/10 16:43	05/11/10 14:45	367-12-4	
2,4,6-Tribromophenol (S)	71 %		10-123	1	05/06/10 16:43	05/11/10 14:45	118-79-6	

**8260 MSV 5030 Low Level**

Analytical Method: EPA 8260

Acetone	ND	ug/kg	4170	50		05/10/10 15:09	67-64-1	
Benzene	ND	ug/kg	33.4	1		05/10/10 12:30	71-43-2	
Bromochloromethane	ND	ug/kg	33.4	1		05/10/10 12:30	74-97-5	
Bromodichloromethane	ND	ug/kg	33.4	1		05/10/10 12:30	75-27-4	
Bromoform	ND	ug/kg	33.4	1		05/10/10 12:30	75-25-2	
Bromomethane	ND	ug/kg	33.4	1		05/10/10 12:30	74-83-9	
TOTAL BTEX	599	ug/kg	201	1		05/10/10 12:30		
2-Butanone (MEK)	167	ug/kg	66.8	1		05/10/10 12:30	78-93-3	
n-Butylbenzene	71.2	ug/kg	33.4	1		05/10/10 12:30	104-51-8	
sec-Butylbenzene	65.6	ug/kg	33.4	1		05/10/10 12:30	135-98-8	
Carbon disulfide	263	ug/kg	33.4	1		05/10/10 12:30	75-15-0	
Carbon tetrachloride	ND	ug/kg	33.4	1		05/10/10 12:30	56-23-5	
Chlorobenzene	ND	ug/kg	33.4	1		05/10/10 12:30	108-90-7	
Chloroethane	ND	ug/kg	33.4	1		05/10/10 12:30	75-00-3	
Chloroform	ND	ug/kg	33.4	1		05/10/10 12:30	67-66-3	
Chloromethane	ND	ug/kg	33.4	1		05/10/10 12:30	74-87-3	
Dibromochloromethane	ND	ug/kg	33.4	1		05/10/10 12:30	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	33.4	1		05/10/10 12:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	33.4	1		05/10/10 12:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	33.4	1		05/10/10 12:30	106-46-7	
1,1-Dichloroethane	ND	ug/kg	33.4	1		05/10/10 12:30	75-34-3	
1,2-Dichloroethane	ND	ug/kg	33.4	1		05/10/10 12:30	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	66.8	1		05/10/10 12:30	540-59-0	

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(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H  
Pace Project No.: 3027140

Sample: 2H/4H-9 Lab ID: 3027140023 Collected: 05/04/10 16:00 Received: 05/05/10 13:40 Matrix: Solid

### Results reported on a "dry-weight" basis

Comments: • One internal standard recovery associated with the neat run of this sample exceed the lower control limit. Results may be biased high. Reanalysis of the sample yielded similar results and all internals in the dilution were within limits. Suspect sample matrix.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>								
Analytical Method: EPA 8260								
1,1-Dichloroethene	ND	ug/kg	33.4	1		05/10/10 12:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	33.4	1		05/10/10 12:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	33.4	1		05/10/10 12:30	156-60-5	
1,2-Dichloropropane	ND	ug/kg	33.4	1		05/10/10 12:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	33.4	1		05/10/10 12:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	33.4	1		05/10/10 12:30	10061-02-6	
Ethylbenzene	72.0	ug/kg	33.4	1		05/10/10 12:30	100-41-4	
2-Hexanone	ND	ug/kg	66.8	1		05/10/10 12:30	591-78-6	
Isopropylbenzene (Cumene)	47.6	ug/kg	33.4	1		05/10/10 12:30	98-82-8	
p-Isopropyltoluene	190	ug/kg	33.4	1		05/10/10 12:30	99-87-6	
Methylene Chloride	ND	ug/kg	33.4	1		05/10/10 12:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	66.8	1		05/10/10 12:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	33.4	1		05/10/10 12:30	1634-04-4	
Naphthalene	116	ug/kg	33.4	1		05/10/10 12:30	91-20-3	
n-Propylbenzene	96.6	ug/kg	33.4	1		05/10/10 12:30	103-65-1	
Styrene	ND	ug/kg	33.4	1		05/10/10 12:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	33.4	1		05/10/10 12:30	79-34-5	
Tetrachloroethene	211	ug/kg	33.4	1		05/10/10 12:30	127-18-4	
Toluene	43.1	ug/kg	33.4	1		05/10/10 12:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	33.4	1		05/10/10 12:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	33.4	1		05/10/10 12:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	33.4	1		05/10/10 12:30	79-00-5	
Trichloroethene	ND	ug/kg	33.4	1		05/10/10 12:30	79-01-6	
1,2,4-Trimethylbenzene	940	ug/kg	33.4	1		05/10/10 12:30	95-63-6	
1,3,5-Trimethylbenzene	350	ug/kg	33.4	1		05/10/10 12:30	108-67-8	
Vinyl chloride	ND	ug/kg	33.4	1		05/10/10 12:30	75-01-4	
Xylene (Total)	484	ug/kg	100	1		05/10/10 12:30	1330-20-7	
m&p-Xylene	312	ug/kg	66.8	1		05/10/10 12:30	179601-23-1	
o-Xylene	172	ug/kg	33.4	1		05/10/10 12:30	95-47-6	
Toluene-d8 (S)	108	%	70-130	1		05/10/10 12:30	2037-26-5	
4-Bromofluorobenzene (S)	136	%	70-130	1		05/10/10 12:30	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		05/10/10 12:30	17060-07-0	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974-87								
Percent Moisture	74.8	%	0	10	1	05/06/10 17:29		
<b>350.1 Ammonia</b>								
Analytical Method: EPA 350 1								
Nitrogen, Ammonia	163	mg/kg	19.2	1		05/08/10 16 07	7664-41-7	

Date: 06/16/2010 08:32 AM

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027140

Sample: 2H/4H-9 (ASTM)		Lab ID: 3027140024		Collected: 05/04/10 16:00		Received: 05/05/10 13:40		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
5540C MBAS Surfactants		Analytical Method: SM 5540C							
Surfactants		ND	mg/L	0.10	1		05/07/10 15:01		
4500 Chloride		Analytical Method: SM 4500-Cl-E							
Chloride		3.5	mg/L	3.0	1		05/08/10 11:32	16887-00-6	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

QC Batch: MPRP/3802 Analysis Method: EPA 6010B  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015,  
3027140017, 3027140019, 3027140021, 3027140023

METHOD BLANK: 167246 Matrix: Solid  
Associated Lab Samples: 3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015,  
3027140017, 3027140019, 3027140021, 3027140023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	05/07/10 13:22	
Antimony	mg/kg	ND	0.50	05/07/10 13:22	
Arsenic	mg/kg	ND	0.50	05/07/10 13:22	
Barium	mg/kg	ND	2.0	05/07/10 13:22	
Beryllium	mg/kg	ND	0.20	05/07/10 13:22	
Boron	mg/kg	ND	5.0	05/07/10 13:22	
Cadmium	mg/kg	ND	0.20	05/07/10 13:22	
Calcium	mg/kg	ND	200	05/07/10 13:22	
Chromium	mg/kg	ND	0.50	05/07/10 13:22	
Cobalt	mg/kg	ND	1.0	05/07/10 13:22	
Copper	mg/kg	ND	1.0	05/07/10 13:22	
Iron	mg/kg	ND	10.0	05/07/10 13:22	
Lead	mg/kg	ND	0.50	05/07/10 13:22	
Magnesium	mg/kg	ND	50.0	05/07/10 13:22	
Manganese	mg/kg	ND	1.0	05/07/10 13:22	
Molybdenum	mg/kg	ND	2.0	05/07/10 13:22	
Nickel	mg/kg	ND	2.0	05/07/10 13:22	
Potassium	mg/kg	ND	50.0	05/07/10 13:22	
Selenium	mg/kg	ND	0.50	05/07/10 13:22	
Silver	mg/kg	ND	0.20	05/07/10 13:22	
Sodium	mg/kg	ND	500	05/07/10 13:22	
Thallium	mg/kg	ND	2.0	05/07/10 13:22	
Vanadium	mg/kg	ND	1.0	05/07/10 13:22	
Zinc	mg/kg	ND	1.0	05/07/10 13:22	

LABORATORY CONTROL SAMPLE: 167247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	453	91	80-120	
Antimony	mg/kg	50	46.7	93	80-120	
Arsenic	mg/kg	50	44.7	89	80-120	
Barium	mg/kg	50	49.3	99	80-120	
Beryllium	mg/kg	50	47.2	94	80-120	
Boron	mg/kg	50	45.0	90	80-120	
Cadmium	mg/kg	50	47.0	94	80-120	
Calcium	mg/kg	500	465	93	80-120	
Chromium	mg/kg	50	47.6	95	80-120	
Cobalt	mg/kg	50	47.0	94	80-120	
Copper	mg/kg	50	49.2	98	80-120	
Iron	mg/kg	500	472	94	80-120	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

LABORATORY CONTROL SAMPLE: 167247

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	47.7	95	80-120	
Magnesium	mg/kg	500	470	94	80-120	
Manganese	mg/kg	50	47.9	96	80-120	
Molybdenum	mg/kg	50	49.2	98	80-120	
Nickel	mg/kg	50	47.5	95	80-120	
Potassium	mg/kg	500	440	88	80-120	
Selenium	mg/kg	50	41.9	84	80-120	
Silver	mg/kg	25	23.8	95	80-120	
Sodium	mg/kg	500	469J	94	80-120	
Thallium	mg/kg	50	48.1	96	80-120	
Vanadium	mg/kg	50	47.3	95	80-120	
Zinc	mg/kg	50	44.8	90	80-120	

MATRIX SPIKE SAMPLE: 167249

Parameter	Units	3027140001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	12000	380	12100	39	80-120	M1
Antimony	mg/kg	0.55	38	16.4	42	80-120	M1
Arsenic	mg/kg	4.2	38	32.6	75	80-120	M1
Barium	mg/kg	506	38	781	724	80-120	M1
Beryllium	mg/kg	0.46	38	31.1	81	80-120	
Boron	mg/kg	ND	38	32.8	76	80-120	M1
Cadmium	mg/kg	ND	38	28.5	75	80-120	M1
Calcium	mg/kg	2490	380	6100	950	80-120	M1
Chromium	mg/kg	13.9	38	44.8	81	80-120	
Cobalt	mg/kg	12.0	38	40.6	75	80-120	M1
Copper	mg/kg	26.5	38	52.1	67	80-120	M1
Iron	mg/kg	24700	380	25000	78	80-120	M1
Lead	mg/kg	1.6	38	32.6	81	80-120	
Magnesium	mg/kg	4840	380	5080	63	80-120	M1
Manganese	mg/kg	373	38	331	-110	80-120	M1
Molybdenum	mg/kg	ND	38	31.3	82	80-120	
Nickel	mg/kg	21.1	38	51.1	79	80-120	M1
Potassium	mg/kg	1940	380	2040	27	80-120	M1
Selenium	mg/kg	ND	38	26.6	70	80-120	M1
Silver	mg/kg	ND	19	15.6	82	80-120	
Sodium	mg/kg	ND	380	418	84	80-120	
Thallium	mg/kg	ND	38	31.4	83	80-120	
Vanadium	mg/kg	13.7	38	44.5	81	80-120	
Zinc	mg/kg	59.4	38	83.1	63	80-120	M1

SAMPLE DUPLICATE: 167248

Parameter	Units	3027140001 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	12000	10600	12	

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### QUALITY CONTROL DATA

Project: 2H/4H  
Pace Project No.: 3027140

SAMPLE DUPLICATE: 167248

Parameter	Units	3027140001 Result	Dup Result	RPD	Qualifiers
Antimony	mg/kg	0.55	0.37	39	R1
Arsenic	mg/kg	4.2	3.2	28	R1
Barium	mg/kg	506	874	53	R1
Beryllium	mg/kg	0.46	0.43	6	
Boron	mg/kg	ND	3.7		
Cadmium	mg/kg	ND	ND		
Calcium	mg/kg	2490	1890	27	R1
Chromium	mg/kg	13.9	13.1	6	
Cobalt	mg/kg	12.0	11.7	3	
Copper	mg/kg	26.5	21.8	20	
Iron	mg/kg	24700	22100	11	
Lead	mg/kg	1.6	1.8	12	
Magnesium	mg/kg	4840	4470	8	
Manganese	mg/kg	373	266	34	R1
Molybdenum	mg/kg	ND	ND		
Nickel	mg/kg	21.1	19.1	10	
Potassium	mg/kg	1940	1590	20	
Selenium	mg/kg	ND	ND		
Silver	mg/kg	ND	ND		
Sodium	mg/kg	ND	76.3J		
Thallium	mg/kg	ND	ND		
Vanadium	mg/kg	13.7	11.9	14	
Zinc	mg/kg	59.4	52.5	12	

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DIM0227454

DIM0227687



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## QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

QC Batch:	MERP/1887	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
Associated Lab Samples:	3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140017, 3027140019, 3027140021, 3027140023		

METHOD BLANK:	167420	Matrix:	Solid
Associated Lab Samples:	3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140017, 3027140019, 3027140021, 3027140023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.10	05/10/10 09:21	

### LABORATORY CONTROL SAMPLE: 167421

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.042	.037J	89	85-115	

### MATRIX SPIKE SAMPLE: 167423

Parameter	Units	3027140001 Result	Spike Conc	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.11	0.13	113	75-125	

### SAMPLE DUPLICATE: 167422

Parameter	Units	3027140001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	ND	.0022J		

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DIM0227454

DIM0227688



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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

QC Batch	OEXT/4834	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave
Associated Lab Samples:	3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140017, 3027140019, 3027140023		

METHOD BLANK:	166856	Matrix:	Solid
Associated Lab Samples:	3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140017, 3027140019, 3027140023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	333	05/07/10 11:38	
1,2-Dichlorobenzene	ug/kg	ND	333	05/07/10 11:38	
1,3-Dichlorobenzene	ug/kg	ND	333	05/07/10 11:38	
1,4-Dichlorobenzene	ug/kg	ND	333	05/07/10 11:38	
1-Methylnaphthalene	ug/kg	ND	333	05/07/10 11:38	
2,4,5-Trichlorophenol	ug/kg	ND	833	05/07/10 11:38	
2,4,6-Trichlorophenol	ug/kg	ND	333	05/07/10 11:38	
2,4-Dichlorophenol	ug/kg	ND	333	05/07/10 11:38	
2,4-Dimethylphenol	ug/kg	ND	333	05/07/10 11:38	
2,4-Dinitrophenol	ug/kg	ND	833	05/07/10 11:38	
2,4-Dinitrotoluene	ug/kg	ND	333	05/07/10 11:38	
2,6-Dinitrotoluene	ug/kg	ND	333	05/07/10 11:38	
2-Chloronaphthalene	ug/kg	ND	333	05/07/10 11:38	
2-Chlorophenol	ug/kg	ND	333	05/07/10 11:38	
2-Methylnaphthalene	ug/kg	ND	333	05/07/10 11:38	
2-Methylphenol(o-Cresol)	ug/kg	ND	333	05/07/10 11:38	
2-Nitroaniline	ug/kg	ND	833	05/07/10 11:38	
2-Nitrophenol	ug/kg	ND	333	05/07/10 11:38	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	666	05/07/10 11:38	
3,3'-Dichlorobenzidine	ug/kg	ND	333	05/07/10 11:38	
3-Nitroaniline	ug/kg	ND	833	05/07/10 11:38	
4,6-Dinitro-2-methylphenol	ug/kg	ND	833	05/07/10 11:38	
4-Bromophenylphenyl ether	ug/kg	ND	333	05/07/10 11:38	
4-Chloro-3-methylphenol	ug/kg	ND	333	05/07/10 11:38	
4-Chloroaniline	ug/kg	ND	333	05/07/10 11:38	
4-Chlorophenylphenyl ether	ug/kg	ND	333	05/07/10 11:38	
4-Nitroaniline	ug/kg	ND	833	05/07/10 11:38	
4-Nitrophenol	ug/kg	ND	333	05/07/10 11:38	
Acenaphthene	ug/kg	ND	333	05/07/10 11:38	
Acenaphthylene	ug/kg	ND	333	05/07/10 11:38	
Anthracene	ug/kg	ND	333	05/07/10 11:38	
Azobenzene	ug/kg	ND	333	05/07/10 11:38	
Benzo(a)anthracene	ug/kg	ND	333	05/07/10 11:38	
Benzo(a)pyrene	ug/kg	ND	333	05/07/10 11:38	
Benzo(b)fluoranthene	ug/kg	ND	333	05/07/10 11:38	
Benzo(g,h,i)perylene	ug/kg	ND	333	05/07/10 11:38	
Benzo(k)fluoranthene	ug/kg	ND	333	05/07/10 11:38	
Benzoic acid	ug/kg	ND	833	05/07/10 11:38	
Benzyl alcohol	ug/kg	ND	333	05/07/10 11:38	
bis(2-Chloroethoxy)methane	ug/kg	ND	333	05/07/10 11:38	
bis(2-Chloroethyl) ether	ug/kg	ND	333	05/07/10 11:38	

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## QUALITY CONTROL DATA

Project: 2H/4H

Pace Project No : 3027140

METHOD BLANK: 166856

Matrix: Solid

Associated Lab Samples: 3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140017, 3027140019, 3027140023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	ND	333	05/07/10 11:38	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	333	05/07/10 11:38	
Butylbenzylphthalate	ug/kg	ND	333	05/07/10 11:38	
Carbazole	ug/kg	ND	333	05/07/10 11:38	
Chrysene	ug/kg	ND	333	05/07/10 11:38	
Di-n-butylphthalate	ug/kg	ND	333	05/07/10 11:38	
Di-n-octylphthalate	ug/kg	ND	333	05/07/10 11:38	
Dibenz(a,h)anthracene	ug/kg	ND	333	05/07/10 11:38	
Dibenzofuran	ug/kg	ND	333	05/07/10 11:38	
Diethylphthalate	ug/kg	ND	333	05/07/10 11:38	
Dimethylphthalate	ug/kg	ND	333	05/07/10 11:38	
Fluoranthene	ug/kg	ND	333	05/07/10 11:38	
Fluorene	ug/kg	ND	333	05/07/10 11:38	
Hexachloro-1,3-butadiene	ug/kg	ND	333	05/07/10 11:38	
Hexachlorobenzene	ug/kg	ND	333	05/07/10 11:38	
Hexachlorocyclopentadiene	ug/kg	ND	333	05/07/10 11:38	
Hexachloroethane	ug/kg	ND	333	05/07/10 11:38	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	333	05/07/10 11:38	
Isophorone	ug/kg	ND	333	05/07/10 11:38	
N-Nitroso-di-n-propylamine	ug/kg	ND	333	05/07/10 11:38	
N-Nitrosodimethylamine	ug/kg	ND	333	05/07/10 11:38	
N-Nitrosodiphenylamine	ug/kg	ND	333	05/07/10 11:38	
Naphthalene	ug/kg	ND	333	05/07/10 11:38	
Nitrobenzene	ug/kg	ND	333	05/07/10 11:38	
Pentachlorophenol	ug/kg	ND	833	05/07/10 11:38	
Phenanthrene	ug/kg	ND	333	05/07/10 11:38	
Phenol	ug/kg	ND	333	05/07/10 11:38	
Pyrene	ug/kg	ND	333	05/07/10 11:38	
2,4,6-Tribromophenol (S)	%	52	10-123	05/07/10 11:38	
2-Fluorobiphenyl (S)	%	48	43-116	05/07/10 11:38	
2-Fluorophenol (S)	%	49	21-110	05/07/10 11:38	
Nitrobenzene-d5 (S)	%	36	35-114	05/07/10 11:38	
Phenol-d6 (S)	%	43	10-110	05/07/10 11:38	
Terphenyl-d14 (S)	%	50	33-141	05/07/10 11:38	

LABORATORY CONTROL SAMPLE: 166857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	1790	54	43-120	
1,2-Dichlorobenzene	ug/kg		ND			
1,3-Dichlorobenzene	ug/kg		ND			
1,4-Dichlorobenzene	ug/kg	3330	1630	49	37-118	
1-Methylnaphthalene	ug/kg	3330	2000	60	40-140	
2,4,5-Trichlorophenol	ug/kg		ND			

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(724)850-5600

### QUALITY CONTROL DATA

Project. [REDACTED] 2H/4H  
Pace Project No.. 3027140

LABORATORY CONTROL SAMPLE: 166857

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Trichlorophenol	ug/kg		ND			
2,4-Dichlorophenol	ug/kg		ND			
2,4-Dimethylphenol	ug/kg		ND			
2,4-Dinitrophenol	ug/kg		ND			
2,4-Dinitrotoluene	ug/kg	3330	1830	55	34-115	
2,6-Dinitrotoluene	ug/kg		ND			
2-Chloronaphthalene	ug/kg		ND			
2-Chlorophenol	ug/kg	3330	1760	53	40-140	
2-Methylnaphthalene	ug/kg	3330	1660	50	40-140	
2-Methylphenol(o-Cresol)	ug/kg		ND			
2-Nitroaniline	ug/kg		ND			
2-Nitrophenol	ug/kg		ND			
3&4-Methylphenol(m&p Cresol)	ug/kg		ND			
3,3'-Dichlorobenzidine	ug/kg		ND			
3-Nitroaniline	ug/kg		ND			
4,6-Dinitro-2-methylphenol	ug/kg		ND			
4-Bromophenylphenyl ether	ug/kg		ND			
4-Chloro-3-methylphenol	ug/kg	3330	2130	64	42-130	
4-Chloroaniline	ug/kg		ND			
4-Chlorophenylphenyl ether	ug/kg		ND			
4-Nitroaniline	ug/kg		ND			
4-Nitrophenol	ug/kg	3330	1640	49	27-125	
Acenaphthene	ug/kg	3330	1690	51	48-114	
Acenaphthylene	ug/kg	3330	1740	52	40-140	
Anthracene	ug/kg	3330	1820	55	40-140	
Azobenzene	ug/kg		ND			
Benzo(a)anthracene	ug/kg	3330	1670	50	40-140	
Benzo(a)pyrene	ug/kg	3330	1850	56	40-140	
Benzo(b)fluoranthene	ug/kg	3330	1800	54	40-140	
Benzo(g,h,i)perylene	ug/kg	3330	2080	62	40-140	
Benzo(k)fluoranthene	ug/kg	3330	1710	51	40-140	
Benzoic acid	ug/kg		ND			
Benzyl alcohol	ug/kg		ND			
bis(2-Chloroethoxy)methane	ug/kg		ND			
bis(2-Chloroethyl) ether	ug/kg		ND			
bis(2-Chloroisopropyl) ether	ug/kg		ND			
bis(2-Ethylhexyl)phthalate	ug/kg		ND			
Butylbenzylphthalate	ug/kg		ND			
Carbazole	ug/kg		ND			
Chrysene	ug/kg	3330	1660	50	40-140	
Di-n-butylphthalate	ug/kg		ND			
Di-n-octylphthalate	ug/kg		ND			
Dibenz(a,h)anthracene	ug/kg	3330	2200	66	40-140	
Dibenzofuran	ug/kg		ND			
Diethylphthalate	ug/kg		ND			
Dimethylphthalate	ug/kg		ND			
Fluoranthene	ug/kg	3330	1740	52	40-140	
Fluorene	ug/kg	3330	1790	54	40-140	

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(724)850-5600

### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

LABORATORY CONTROL SAMPLE: 166857

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloro-1,3-butadiene	ug/kg		ND			
Hexachlorobenzene	ug/kg		ND			
Hexachlorocyclopentadiene	ug/kg		ND			
Hexachloroethane	ug/kg		ND			
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2060	62	40-140	
Isophorone	ug/kg		ND			
N-Nitroso-di-n-propylamine	ug/kg	3330	1820	55	43-126	
N-Nitrosodimethylamine	ug/kg		ND			
N-Nitrosodiphenylamine	ug/kg		ND			
Naphthalene	ug/kg	3330	1700	51	40-140	
Nitrobenzene	ug/kg		ND			
Pentachlorophenol	ug/kg	3330	1650	50	14-127	
Phenanthrene	ug/kg	3330	1760	53	40-140	
Phenol	ug/kg	3330	1610	48	39-120	
Pyrene	ug/kg	3330	1440	43	43-135	
2,4,6-Tribromophenol (S)	%			58	10-123	
2-Fluorobiphenyl (S)	%			52	43-116	
2-Fluorophenol (S)	%			44	21-110	
Nitrobenzene-d5 (S)	%			41	35-114	
Phenol-d6 (S)	%			50	10-110	
Terphenyl-d14 (S)	%			52	33-141	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 166858

166859

Parameter	Units	3027140003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	3650	3680	3120	3330	86	91	43-120	7	
1,2-Dichlorobenzene	ug/kg	ND			ND	ND					
1,3-Dichlorobenzene	ug/kg	ND			ND	ND					
1,4-Dichlorobenzene	ug/kg	ND	3650	3680	2770	3110	76	84	37-118	11	
1-Methylnaphthalene	ug/kg	ND	3650	3680	3310	3400	91	92	40-140	3	
2,4,5-Trichlorophenol	ug/kg	ND			ND	ND					
2,4,6-Trichlorophenol	ug/kg	ND			ND	ND					
2,4-Dichlorophenol	ug/kg	ND			ND	ND					
2,4-Dimethylphenol	ug/kg	ND			ND	ND					
2,4-Dinitrophenol	ug/kg	ND			ND	ND					
2,4-Dinitrotoluene	ug/kg	ND	3650	3680	2650	2630	73	72	34-115	.5	
2,6-Dinitrotoluene	ug/kg	ND			ND	ND					
2-Chloronaphthalene	ug/kg	ND			ND	ND					
2-Chlorophenol	ug/kg	ND	3650	3680	2870	3110	79	85	40-140	8	
2-Methylnaphthalene	ug/kg	ND	3650	3680	2820	2940	77	80	40-140	4	
2-Methylphenol(o-Cresol)	ug/kg	ND			ND	ND					
2-Nitroaniline	ug/kg	ND			ND	ND					
2-Nitrophenol	ug/kg	ND			ND	ND					
3&4-Methylphenol(m&p Cresol)	ug/kg	ND			ND	ND					
3,3'-Dichlorobenzidine	ug/kg	ND			ND	ND					

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### QUALITY CONTROL DATA

Project: 2H/4H  
Pace Project No: 3027140

MATRIX SPIKE & MATRIX SPIKE DUPLICATE.		166858			166859						
Parameter	Units	3027140003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
3-Nitroaniline	ug/kg	ND			ND	ND					
4,6-Dinitro-2-methylphenol	ug/kg	ND			ND	ND					
4-Bromophenylphenyl ether	ug/kg	ND			ND	ND					
4-Chloro-3-methylphenol	ug/kg	ND	3650	3680	2930	3310	80	90	42-130	12	
4-Chloroaniline	ug/kg	ND			ND	ND					
4-Chlorophenylphenyl ether	ug/kg	ND			ND	ND					
4-Nitroaniline	ug/kg	ND			ND	ND					
4-Nitrophenol	ug/kg	ND	3650	3680	770	452	21	12	27-125	52	M0, R1
Acenaphthene	ug/kg	ND	3650	3680	2900	3070	80	83	48-114	6	
Acenaphthylene	ug/kg	ND	3650	3680	3040	3190	83	87	40-140	5	
Anthracene	ug/kg	ND	3650	3680	3170	3190	87	87	40-140	.7	
Azobenzene	ug/kg	ND			ND	ND					
Benzo(a)anthracene	ug/kg	ND	3650	3680	3080	3100	85	84	40-140	.5	
Benzo(a)pyrene	ug/kg	ND	3650	3680	3340	3250	92	88	40-140	3	
Benzo(b)fluoranthene	ug/kg	ND	3650	3680	3350	3350	92	91	40-140	.2	
Benzo(g,h,i)perylene	ug/kg	ND	3650	3680	2560	2590	70	70	40-140	1	
Benzo(k)fluoranthene	ug/kg	ND	3650	3680	3280	3360	90	91	40-140	2	
Benzoic acid	ug/kg	ND			ND	ND					
Benzyl alcohol	ug/kg	ND			ND	ND					
bis(2-Chloroethoxy)methane	ug/kg	ND			ND	ND					
bis(2-Chloroethyl) ether	ug/kg	ND			ND	ND					
bis(2-Chloroisopropyl) ether	ug/kg	ND			ND	ND					
bis(2-Ethylhexyl)phthalate	ug/kg	ND			ND	ND					
Butylbenzylphthalate	ug/kg	ND			ND	ND					
Carbazole	ug/kg	ND			ND	ND					
Chrysene	ug/kg	ND	3650	3680	3110	3130	85	85	40-140	.6	
Di-n-butylphthalate	ug/kg	ND			ND	ND					
Di-n-octylphthalate	ug/kg	ND			ND	ND					
Dibenz(a,h)anthracene	ug/kg	ND	3650	3680	2990	2790	82	76	40-140	7	
Dibenzofuran	ug/kg	ND			ND	ND					
Diethylphthalate	ug/kg	ND			ND	ND					
Dimethylphthalate	ug/kg	ND			ND	ND					
Fluoranthene	ug/kg	ND	3650	3680	2940	2990	81	81	40-140	2	
Fluorene	ug/kg	ND	3650	3680	3050	3160	84	86	40-140	4	
Hexachloro-1,3-butadiene	ug/kg	ND			ND	ND					
Hexachlorobenzene	ug/kg	ND			ND	ND					
Hexachlorocyclopentadiene	ug/kg	ND			ND	ND					
Hexachloroethane	ug/kg	ND			ND	ND					
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3650	3680	2390	2710	66	74	40-140	12	
Isophorone	ug/kg	ND			ND	ND					
N-Nitroso-di-n-propylamine	ug/kg	ND	3650	3680	3110	3310	85	90	43-126	6	
N-Nitrosodimethylamine	ug/kg	ND			ND	ND					
N-Nitrosodiphenylamine	ug/kg	ND			ND	ND					
Naphthalene	ug/kg	ND	3650	3680	2950	3130	81	85	40-140	6	
Nitrobenzene	ug/kg	ND			ND	ND					
Pentachlorophenol	ug/kg	ND	3650	3680	ND	ND	0	0	14-127		M0
Phenanthrene	ug/kg	ND	3650	3680	3070	3120	84	85	40-140	2	

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(724)850-5600

### QUALITY CONTROL DATA

Project. [REDACTED] 2H/4H

Pace Project No.: 3027140

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 166858 166859												
Parameter	Units	3027140003	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Qual
		Result	Spike Conc.	Spike Conc.								
Phenol	ug/kg	ND	3650	3680	2570	2780	71	75	39-120		8	
Pyrene	ug/kg	ND	3650	3680	2600	2720	71	74	43-135		4	
2,4,6-Tribromophenol (S)	%						35	26	10-123			
2-Fluorobiphenyl (S)	%						82	88	43-116			
2-Fluorophenol (S)	%						65	71	21-110			
Nitrobenzene-d5 (S)	%						69	74	35-114			
Phenol-d6 (S)	%						71	83	10-110			
Terphenyl-d14 (S)	%						88	91	33-141			

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(724)850-5600

### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No.: 3027140

QC Batch: OEXT/4872

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Associated Lab Samples: 3027140021

METHOD BLANK: 168409

Matrix: Solid

Associated Lab Samples: 3027140021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	333	05/12/10 13:53	
1,2-Dichlorobenzene	ug/kg	ND	333	05/12/10 13:53	
1,3-Dichlorobenzene	ug/kg	ND	333	05/12/10 13:53	
1,4-Dichlorobenzene	ug/kg	ND	333	05/12/10 13:53	
1-Methylnaphthalene	ug/kg	ND	333	05/12/10 13:53	
2,4,5-Trichlorophenol	ug/kg	ND	833	05/12/10 13:53	
2,4,6-Trichlorophenol	ug/kg	ND	333	05/12/10 13:53	
2,4-Dichlorophenol	ug/kg	ND	333	05/12/10 13:53	
2,4-Dimethylphenol	ug/kg	ND	333	05/12/10 13:53	
2,4-Dinitrophenol	ug/kg	ND	833	05/12/10 13:53	
2,4-Dinitrotoluene	ug/kg	ND	333	05/12/10 13:53	
2,6-Dinitrotoluene	ug/kg	ND	333	05/12/10 13:53	
2-Chloronaphthalene	ug/kg	ND	333	05/12/10 13:53	
2-Chlorophenol	ug/kg	ND	333	05/12/10 13:53	
2-Methylnaphthalene	ug/kg	ND	333	05/12/10 13:53	
2-Methylphenol(o-Cresol)	ug/kg	ND	333	05/12/10 13:53	
2-Nitroaniline	ug/kg	ND	833	05/12/10 13:53	
2-Nitrophenol	ug/kg	ND	333	05/12/10 13:53	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	666	05/12/10 13:53	
3,3'-Dichlorobenzidine	ug/kg	ND	333	05/12/10 13:53	
3-Nitroaniline	ug/kg	ND	833	05/12/10 13:53	
4,6-Dinitro-2-methylphenol	ug/kg	ND	833	05/12/10 13:53	
4-Bromophenylphenyl ether	ug/kg	ND	333	05/12/10 13:53	
4-Chloro-3-methylphenol	ug/kg	ND	333	05/12/10 13:53	
4-Chloroaniline	ug/kg	ND	333	05/12/10 13:53	
4-Chlorophenylphenyl ether	ug/kg	ND	333	05/12/10 13:53	
4-Nitroaniline	ug/kg	ND	833	05/12/10 13:53	
4-Nitrophenol	ug/kg	ND	333	05/12/10 13:53	
Acenaphthene	ug/kg	ND	333	05/12/10 13:53	
Acenaphthylene	ug/kg	ND	333	05/12/10 13:53	
Anthracene	ug/kg	ND	333	05/12/10 13:53	
Azobenzene	ug/kg	ND	333	05/12/10 13:53	
Benzo(a)anthracene	ug/kg	ND	333	05/12/10 13:53	
Benzo(a)pyrene	ug/kg	ND	333	05/12/10 13:53	
Benzo(b)fluoranthene	ug/kg	ND	333	05/12/10 13:53	
Benzo(g,h,i)perylene	ug/kg	ND	333	05/12/10 13:53	
Benzo(k)fluoranthene	ug/kg	ND	333	05/12/10 13:53	
Benzoic acid	ug/kg	ND	833	05/12/10 13:53	
Benzyl alcohol	ug/kg	ND	333	05/12/10 13:53	
bis(2-Chloroethoxy)methane	ug/kg	ND	333	05/12/10 13:53	
bis(2-Chloroethyl) ether	ug/kg	ND	333	05/12/10 13:53	
bis(2-Chloroisopropyl) ether	ug/kg	ND	333	05/12/10 13:53	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	333	05/12/10 13:53	

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### QUALITY CONTROL DATA

Project. [REDACTED] 2H/4H

Pace Project No.: 3027140

METHOD BLANK: 168409

Matrix: Solid

Associated Lab Samples: 3027140021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	333	05/12/10 13:53	
Carbazole	ug/kg	ND	333	05/12/10 13:53	
Chrysene	ug/kg	ND	333	05/12/10 13:53	
Di-n-butylphthalate	ug/kg	ND	333	05/12/10 13:53	
Di-n-octylphthalate	ug/kg	ND	333	05/12/10 13:53	
Dibenz(a,h)anthracene	ug/kg	ND	333	05/12/10 13:53	
Dibenzofuran	ug/kg	ND	333	05/12/10 13:53	
Diethylphthalate	ug/kg	ND	333	05/12/10 13:53	
Dimethylphthalate	ug/kg	ND	333	05/12/10 13:53	
Fluoranthene	ug/kg	ND	333	05/12/10 13:53	
Fluorene	ug/kg	ND	333	05/12/10 13:53	
Hexachloro-1,3-butadiene	ug/kg	ND	333	05/12/10 13:53	
Hexachlorobenzene	ug/kg	ND	333	05/12/10 13:53	
Hexachlorocyclopentadiene	ug/kg	ND	333	05/12/10 13:53	
Hexachloroethane	ug/kg	ND	333	05/12/10 13:53	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	333	05/12/10 13:53	
Isophorone	ug/kg	ND	333	05/12/10 13:53	
N-Nitroso-di-n-propylamine	ug/kg	ND	333	05/12/10 13:53	
N-Nitrosodimethylamine	ug/kg	ND	333	05/12/10 13:53	
N-Nitrosodiphenylamine	ug/kg	ND	333	05/12/10 13:53	
Naphthalene	ug/kg	ND	333	05/12/10 13:53	
Nitrobenzene	ug/kg	ND	333	05/12/10 13:53	
Pentachlorophenol	ug/kg	ND	833	05/12/10 13:53	
Phenanthrene	ug/kg	ND	333	05/12/10 13:53	
Phenol	ug/kg	ND	333	05/12/10 13:53	
Pyrene	ug/kg	ND	333	05/12/10 13:53	
2,4,6-Tribromophenol (S)	%	80	10-123	05/12/10 13:53	
2-Fluorobiphenyl (S)	%	76	43-116	05/12/10 13:53	
2-Fluorophenol (S)	%	71	21-110	05/12/10 13:53	
Nitrobenzene-d5 (S)	%	62	35-114	05/12/10 13:53	
Phenol-d6 (S)	%	70	10-110	05/12/10 13:53	
Terphenyl-d14 (S)	%	81	33-141	05/12/10 13:53	

LABORATORY CONTROL SAMPLE: 168410

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	2920	88	43-120	
1,2-Dichlorobenzene	ug/kg		ND			
1,3-Dichlorobenzene	ug/kg		ND			
1,4-Dichlorobenzene	ug/kg	3330	2700	81	37-118	
1-Methylnaphthalene	ug/kg	3330	3210	96	40-140	
2,4,5-Trichlorophenol	ug/kg		ND			
2,4,6-Trichlorophenol	ug/kg		ND			
2,4-Dichlorophenol	ug/kg		ND			
2,4-Dimethylphenol	ug/kg		ND			

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No : 3027140

LABORATORY CONTROL SAMPLE: 168410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/kg		ND			
2,4-Dinitrotoluene	ug/kg	3330	3080	92	34-115	
2,6-Dinitrotoluene	ug/kg		ND			
2-Chloronaphthalene	ug/kg		ND			
2-Chlorophenol	ug/kg	3330	2930	88	40-140	
2-Methylnaphthalene	ug/kg	3330	2690	81	40-140	
2-Methylphenol(o-Cresol)	ug/kg		ND			
2-Nitroaniline	ug/kg		ND			
2-Nitrophenol	ug/kg		ND			
3&4-Methylphenol(m&p Cresol)	ug/kg		ND			
3,3'-Dichlorobenzidine	ug/kg		ND			
3-Nitroaniline	ug/kg		ND			
4,6-Dinitro-2-methylphenol	ug/kg		ND			
4-Bromophenylphenyl ether	ug/kg		ND			
4-Chloro-3-methylphenol	ug/kg	3330	3500	105	42-130	
4-Chloroaniline	ug/kg		ND			
4-Chlorophenylphenyl ether	ug/kg		ND			
4-Nitroaniline	ug/kg		ND			
4-Nitrophenol	ug/kg	3330	2490	75	27-125	
Acenaphthene	ug/kg	3330	2930	88	48-114	
Acenaphthylene	ug/kg	3330	3050	92	40-140	
Anthracene	ug/kg	3330	3120	94	40-140	
Azobenzene	ug/kg		ND			
Benzo(a)anthracene	ug/kg	3330	3290	99	40-140	
Benzo(a)pyrene	ug/kg	3330	3430	103	40-140	
Benzo(b)fluoranthene	ug/kg	3330	3290	99	40-140	
Benzo(g,h,i)perylene	ug/kg	3330	3230	97	40-140	
Benzo(k)fluoranthene	ug/kg	3330	3200	96	40-140	
Benzoic acid	ug/kg		ND			
Benzyl alcohol	ug/kg		ND			
bis(2-Chloroethoxy)methane	ug/kg		ND			
bis(2-Chloroethyl) ether	ug/kg		ND			
bis(2-Chloroisopropyl) ether	ug/kg		ND			
bis(2-Ethylhexyl)phthalate	ug/kg		ND			
Butylbenzylphthalate	ug/kg		ND			
Carbazole	ug/kg		ND			
Chrysene	ug/kg	3330	3190	96	40-140	
Di-n-butylphthalate	ug/kg		ND			
Di-n-octylphthalate	ug/kg		ND			
Dibenz(a,h)anthracene	ug/kg	3330	3510	105	40-140	
Dibenzofuran	ug/kg		ND			
Diethylphthalate	ug/kg		ND			
Dimethylphthalate	ug/kg		ND			
Fluoranthene	ug/kg	3330	3030	91	40-140	
Fluorene	ug/kg	3330	3110	93	40-140	
Hexachloro-1,3-butadiene	ug/kg		ND			
Hexachlorobenzene	ug/kg		ND			
Hexachlorocyclopentadiene	ug/kg		ND			

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### QUALITY CONTROL DATA

Project: 2H/4H  
Pace Project No.: 3027140

LABORATORY CONTROL SAMPLE: 168410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/kg		ND			
Indeno(1,2,3-cd)pyrene	ug/kg	3330	3400	102	40-140	
Isophorone	ug/kg		ND			
N-Nitroso-di-n-propylamine	ug/kg	3330	3160	95	43-126	
N-Nitrosodimethylamine	ug/kg		ND			
N-Nitrosodiphenylamine	ug/kg		ND			
Naphthalene	ug/kg	3330	2790	84	40-140	
Nitrobenzene	ug/kg		ND			
Pentachlorophenol	ug/kg	3330	2490	75	14-127	
Phenanthrene	ug/kg	3330	3070	92	40-140	
Phenol	ug/kg	3330	2430	73	39-120	
Pyrene	ug/kg	3330	2760	83	43-135	
2,4,6-Tribromophenol (S)	%			103	10-123	
2-Fluorobiphenyl (S)	%			91	43-116	
2-Fluorophenol (S)	%			79	21-110	
Nitrobenzene-d5 (S)	%			74	35-114	
Phenol-d6 (S)	%			86	10-110	
Terphenyl-d14 (S)	%			100	33-141	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 168411 168412

Parameter	Units	3027393001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	3550	3570	3050	2730	86	76	43-120	11	
1,2-Dichlorobenzene	ug/kg	ND			ND	ND					
1,3-Dichlorobenzene	ug/kg	ND			ND	ND					
1,4-Dichlorobenzene	ug/kg	ND	3550	3570	2760	2360	78	66	37-118	16	
1-Methylnaphthalene	ug/kg	ND	3550	3570	3380	3000	95	84	40-140	12	
2,4,5-Trichlorophenol	ug/kg	ND			ND	ND					
2,4,6-Trichlorophenol	ug/kg	ND			ND	ND					
2,4-Dichlorophenol	ug/kg	ND			ND	ND					
2,4-Dimethylphenol	ug/kg	ND			ND	ND					
2,4-Dinitrophenol	ug/kg	ND			ND	ND					
2,4-Dinitrotoluene	ug/kg	ND	3550	3570	3120	3130	88	87	34-115	.3	
2,6-Dinitrotoluene	ug/kg	ND			ND	ND					
2-Chloronaphthalene	ug/kg	ND			ND	ND					
2-Chlorophenol	ug/kg	ND	3550	3570	3060	2610	86	73	40-140	16	
2-Methylnaphthalene	ug/kg	ND	3550	3570	2880	2550	81	71	40-140	12	
2-Methylphenol(o-Cresol)	ug/kg	ND			ND	ND					
2-Nitroaniline	ug/kg	ND			ND	ND					
2-Nitrophenol	ug/kg	ND			ND	ND					
3&4-Methylphenol(m&p Cresol)	ug/kg	ND			ND	ND					
3,3'-Dichlorobenzidine	ug/kg	ND			ND	ND					
3-Nitroaniline	ug/kg	ND			ND	ND					
4,6-Dinitro-2-methylphenol	ug/kg	ND			ND	ND					
4-Bromophenylphenyl ether	ug/kg	ND			ND	ND					

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### QUALITY CONTROL DATA

Project. XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 168411												168412											
Parameter	Units	3027393001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual												
4-Chloro-3-methylphenol	ug/kg	ND	3550	3570	3650	3260	103	91	42-130	11													
4-Chloroaniline	ug/kg	ND			ND	ND																	
4-Chlorophenylphenyl ether	ug/kg	ND			ND	ND																	
4-Nitroaniline	ug/kg	ND			ND	ND																	
4-Nitrophenol	ug/kg	ND	3550	3570	2340	3050	66	85	27-125	27													
Acenaphthene	ug/kg	ND	3550	3570	3030	2780	85	78	48-114	8													
Acenaphthylene	ug/kg	ND	3550	3570	3160	2880	89	81	40-140	9													
Anthracene	ug/kg	ND	3550	3570	3250	3250	92	91	40-140	.09													
Azobenzene	ug/kg	ND			ND	ND																	
Benzo(a)anthracene	ug/kg	ND	3550	3570	3290	3370	93	94	40-140	2													
Benzo(a)pyrene	ug/kg	ND	3550	3570	3340	3490	94	98	40-140	4													
Benzo(b)fluoranthene	ug/kg	ND	3550	3570	3310	3630	93	102	40-140	9													
Benzo(g,h,i)perylene	ug/kg	ND	3550	3570	2790	2780	79	78	40-140	.5													
Benzo(k)fluoranthene	ug/kg	ND	3550	3570	3290	3410	93	95	40-140	4													
Benzoic acid	ug/kg	ND			ND	ND																	
Benzyl alcohol	ug/kg	ND			ND	ND																	
bis(2-Chloroethoxy)methane	ug/kg	ND			ND	ND																	
bis(2-Chloroethyl) ether	ug/kg	ND			ND	ND																	
bis(2-Chloroisopropyl) ether	ug/kg	ND			ND	ND																	
bis(2-Ethylhexyl)phthalate	ug/kg	ND			ND	ND																	
Butylbenzylphthalate	ug/kg	ND			ND	ND																	
Carbazole	ug/kg	ND			ND	ND																	
Chrysene	ug/kg	ND	3550	3570	3200	3280	90	92	40-140	2													
Di-n-butylphthalate	ug/kg	ND			ND	ND																	
Di-n-octylphthalate	ug/kg	ND			ND	ND																	
Dibenz(a,h)anthracene	ug/kg	ND	3550	3570	3200	3120	90	87	40-140	3													
Dibenzofuran	ug/kg	ND			ND	ND																	
Diethylphthalate	ug/kg	ND			ND	ND																	
Dimethylphthalate	ug/kg	ND			ND	ND																	
Fluoranthene	ug/kg	ND	3550	3570	3050	3220	86	90	40-140	6													
Fluorene	ug/kg	ND	3550	3570	3240	3060	91	86	40-140	6													
Hexachloro-1,3-butadiene	ug/kg	ND			ND	ND																	
Hexachlorobenzene	ug/kg	ND			ND	ND																	
Hexachlorocyclopentadiene	ug/kg	ND			ND	ND																	
Hexachloroethane	ug/kg	ND			ND	ND																	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3550	3570	3040	3000	85	84	40-140	1													
Isophorone	ug/kg	ND			ND	ND																	
N-Nitroso-di-n-propylamine	ug/kg	ND	3550	3570	3190	2850	90	80	43-126	11													
N-Nitrosodimethylamine	ug/kg	ND			ND	ND																	
N-Nitrosodiphenylamine	ug/kg	ND			ND	ND																	
Naphthalene	ug/kg	ND	3550	3570	2960	2610	83	73	40-140	13													
Nitrobenzene	ug/kg	ND			ND	ND																	
Pentachlorophenol	ug/kg	ND	3550	3570	2500	2520	70	70	14-127	.9													
Phenanthrene	ug/kg	ND	3550	3570	3140	3080	88	86	40-140	2													
Phenol	ug/kg	ND	3550	3570	2710	2270	76	64	39-120	17													
Pyrene	ug/kg	ND	3550	3570	2800	2810	79	79	43-135	.2													
2,4,6-Tribromophenol (S)	%						99	92	10-123														

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### QUALITY CONTROL DATA

Project. [REDACTED] 2H/4H  
Pace Project No.: 3027140

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 168411 168412											
Parameter	Units	3027393001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2-Fluorobiphenyl (S)	%						85	78	43-116		
2-Fluorophenol (S)	%						75	60	21-110		
Nitrobenzene-d5 (S)	%						68	62	35-114		
Phenol-d6 (S)	%						82	68	10-110		
Terphenyl-d14 (S)	%						96	95	33-141		

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## QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

QC Batch:	MSV/5753	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035 Low
Associated Lab Samples:	3027140001, 3027140003, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140019, 3027140021		

METHOD BLANK:	167283	Matrix:	Solid
Associated Lab Samples:	3027140001, 3027140003, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140019, 3027140021		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/06/10 13:52	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/06/10 13:52	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/06/10 13:52	
1,1-Dichloroethane	ug/kg	ND	5.0	05/06/10 13:52	
1,1-Dichloroethene	ug/kg	ND	5.0	05/06/10 13:52	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	05/06/10 13:52	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/06/10 13:52	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/06/10 13:52	
1,2-Dichloroethane	ug/kg	ND	5.0	05/06/10 13:52	
1,2-Dichloropropane	ug/kg	ND	5.0	05/06/10 13:52	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/06/10 13:52	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/06/10 13:52	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/06/10 13:52	
2-Butanone (MEK)	ug/kg	ND	10.0	05/06/10 13:52	
2-Hexanone	ug/kg	ND	10.0	05/06/10 13:52	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/06/10 13:52	
Acetone	ug/kg	ND	10.0	05/06/10 13:52	
Benzene	ug/kg	ND	5.0	05/06/10 13:52	
Bromochloromethane	ug/kg	ND	5.0	05/06/10 13:52	
Bromodichloromethane	ug/kg	ND	5.0	05/06/10 13:52	
Bromoform	ug/kg	ND	5.0	05/06/10 13:52	
Bromomethane	ug/kg	ND	5.0	05/06/10 13:52	
Carbon disulfide	ug/kg	ND	5.0	05/06/10 13:52	
Carbon tetrachloride	ug/kg	ND	5.0	05/06/10 13:52	
Chlorobenzene	ug/kg	ND	5.0	05/06/10 13:52	
Chloroethane	ug/kg	ND	5.0	05/06/10 13:52	
Chloroform	ug/kg	ND	5.0	05/06/10 13:52	
Chloromethane	ug/kg	ND	5.0	05/06/10 13:52	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/06/10 13:52	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/06/10 13:52	
Dibromochloromethane	ug/kg	ND	5.0	05/06/10 13:52	
Ethylbenzene	ug/kg	ND	5.0	05/06/10 13:52	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/06/10 13:52	
m&p-Xylene	ug/kg	ND	10.0	05/06/10 13:52	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/06/10 13:52	
Methylene Chloride	ug/kg	ND	5.0	05/06/10 13:52	
n-Butylbenzene	ug/kg	ND	5.0	05/06/10 13:52	
n-Propylbenzene	ug/kg	ND	5.0	05/06/10 13:52	
Naphthalene	ug/kg	ND	5.0	05/06/10 13:52	
o-Xylene	ug/kg	ND	5.0	05/06/10 13:52	
p-Isopropyltoluene	ug/kg	ND	5.0	05/06/10 13:52	

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Greensburg, PA 15601  
(724)850-5600

## QUALITY CONTROL DATA

Project. XXXXXXXXXX 2H/4H  
Pace Project No : 3027140

METHOD BLANK. 167283 Matrix: Solid  
Associated Lab Samples. 3027140001, 3027140003, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140019, 3027140021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
sec-Butylbenzene	ug/kg	ND	5.0	05/06/10 13:52	
Styrene	ug/kg	ND	5.0	05/06/10 13:52	
Tetrachloroethene	ug/kg	ND	5.0	05/06/10 13:52	
Toluene	ug/kg	ND	5.0	05/06/10 13:52	
TOTAL BTEX	ug/kg	ND	30.0	05/06/10 13:52	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/06/10 13:52	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/06/10 13:52	
Trichloroethene	ug/kg	ND	5.0	05/06/10 13:52	
Vinyl chloride	ug/kg	ND	5.0	05/06/10 13:52	
Xylene (Total)	ug/kg	ND	15.0	05/06/10 13:52	
1,2-Dichloroethane-d4 (S)	%	108	70-130	05/06/10 13:52	
4-Bromofluorobenzene (S)	%	98	70-130	05/06/10 13:52	
Toluene-d8 (S)	%	92	70-130	05/06/10 13:52	

LABORATORY CONTROL SAMPLE: 167284

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	20	18.9	95	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	20	20.0	100	70-130	
1,1,2-Trichloroethane	ug/kg	20	20.5	102	70-130	
1,1-Dichloroethane	ug/kg	20	21.4	107	70-130	
1,1-Dichloroethene	ug/kg	20	14.8	74	70-130	
1,2,4-Trichlorobenzene	ug/kg	20	18.7	93	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	19.6	98	70-130	
1,2-Dichlorobenzene	ug/kg	20	19.8	99	70-130	
1,2-Dichloroethane	ug/kg	20	19.4	97	70-130	
1,2-Dichloropropane	ug/kg	20	21.7	108	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	19.5	98	70-130	
1,3-Dichlorobenzene	ug/kg	20	20.0	100	70-130	
1,4-Dichlorobenzene	ug/kg	20	19.5	98	70-130	
2-Butanone (MEK)	ug/kg	20	20.1	101	70-130	
2-Hexanone	ug/kg	20	24.1	121	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	25.0	125	70-130	
Acetone	ug/kg	20	26.5	132	70-130 LO	
Benzene	ug/kg	20	21.9	110	70-130	
Bromochloromethane	ug/kg	20	21.2	106	70-130	
Bromodichloromethane	ug/kg	20	18.4	92	70-130	
Bromoform	ug/kg	20	16.3	82	70-130	
Bromomethane	ug/kg	20	14.2	71	70-130	
Carbon disulfide	ug/kg	20	18.2	91	70-130	
Carbon tetrachloride	ug/kg	20	17.4	87	70-130	
Chlorobenzene	ug/kg	20	20.3	101	70-130	
Chloroethane	ug/kg	20	14.0	70	70-130	
Chloroform	ug/kg	20	20.2	101	70-130	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027140

LABORATORY CONTROL SAMPLE: 167284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/kg	20	14.1	70	70-130	
cis-1,2-Dichloroethene	ug/kg	20	19.7	99	70-130	
cis-1,3-Dichloropropene	ug/kg	20	20.2	101	70-130	
Dibromochloromethane	ug/kg	20	17.2	86	70-130	
Ethylbenzene	ug/kg	20	20.2	101	70-130	
Isopropylbenzene (Cumene)	ug/kg	20	19.9	100	70-130	
m&p-Xylene	ug/kg	40	40.5	101	70-130	
Methyl-tert-butyl ether	ug/kg	20	21.1	105	70-130	
Methylene Chloride	ug/kg	20	18.3	92	70-130	
n-Butylbenzene	ug/kg	20	19.7	98	70-130	
n-Propylbenzene	ug/kg	20	19.6	98	70-130	
Naphthalene	ug/kg	20	19.4	97	70-130	
o-Xylene	ug/kg	20	20.0	100	70-130	
p-Isopropyltoluene	ug/kg	20	19.4	97	70-130	
sec-Butylbenzene	ug/kg	20	19.8	99	70-130	
Styrene	ug/kg	20	18.9	95	70-130	
Tetrachloroethene	ug/kg	20	19.8	99	70-130	
Toluene	ug/kg	20	20.7	103	70-130	
TOTAL BTEX	ug/kg		123			
trans-1,2-Dichloroethene	ug/kg	20	19.5	98	70-130	
trans-1,3-Dichloropropene	ug/kg	20	17.9	89	70-130	
Trichloroethene	ug/kg	20	20.9	104	70-130	
Vinyl chloride	ug/kg	20	15.3	76	70-130	
Xylene (Total)	ug/kg	60	60.5	101	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			96	70-130	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3027140

QC Batch:	MSV/5772	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035 Low
Associated Lab Samples:	3027140005, 3027140017, 3027140023		

METHOD BLANK: 168113 Matrx. Solid

Associated Lab Samples: 3027140005, 3027140017, 3027140023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/10/10 11:22	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/10/10 11:22	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/10/10 11:22	
1,1-Dichloroethane	ug/kg	ND	5.0	05/10/10 11:22	
1,1-Dichloroethene	ug/kg	ND	5.0	05/10/10 11:22	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	05/10/10 11:22	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/10/10 11:22	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:22	
1,2-Dichloroethane	ug/kg	ND	5.0	05/10/10 11:22	
1,2-Dichloropropane	ug/kg	ND	5.0	05/10/10 11:22	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/10/10 11:22	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:22	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:22	
2-Butanone (MEK)	ug/kg	ND	10.0	05/10/10 11:22	
2-Hexanone	ug/kg	ND	10.0	05/10/10 11:22	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/10/10 11:22	
Acetone	ug/kg	ND	10.0	05/10/10 11:22	
Benzene	ug/kg	ND	5.0	05/10/10 11:22	
Bromochloromethane	ug/kg	ND	5.0	05/10/10 11:22	
Bromodichloromethane	ug/kg	ND	5.0	05/10/10 11:22	
Bromoform	ug/kg	ND	5.0	05/10/10 11:22	
Bromomethane	ug/kg	ND	5.0	05/10/10 11:22	
Carbon disulfide	ug/kg	ND	5.0	05/10/10 11:22	
Carbon tetrachloride	ug/kg	ND	5.0	05/10/10 11:22	
Chlorobenzene	ug/kg	ND	5.0	05/10/10 11:22	
Chloroethane	ug/kg	ND	5.0	05/10/10 11:22	
Chloroform	ug/kg	ND	5.0	05/10/10 11:22	
Chloromethane	ug/kg	ND	5.0	05/10/10 11:22	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/10/10 11:22	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/10/10 11:22	
Dibromochloromethane	ug/kg	ND	5.0	05/10/10 11:22	
Ethylbenzene	ug/kg	ND	5.0	05/10/10 11:22	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/10/10 11:22	
m&p-Xylene	ug/kg	ND	10.0	05/10/10 11:22	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/10/10 11:22	
Methylene Chloride	ug/kg	ND	5.0	05/10/10 11:22	
n-Butylbenzene	ug/kg	ND	5.0	05/10/10 11:22	
n-Propylbenzene	ug/kg	ND	5.0	05/10/10 11:22	
Naphthalene	ug/kg	ND	5.0	05/10/10 11:22	
o-Xylene	ug/kg	ND	5.0	05/10/10 11:22	
p-Isopropyltoluene	ug/kg	ND	5.0	05/10/10 11:22	
sec-Butylbenzene	ug/kg	ND	5.0	05/10/10 11:22	
Styrene	ug/kg	ND	5.0	05/10/10 11:22	

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Greensburg, PA 15601  
(724)850-5600

## QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3027140

METHOD BLANK: 168113 Matrix: Solid

Associated Lab Samples 3027140005, 3027140017, 3027140023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/kg	ND	5.0	05/10/10 11:22	
Toluene	ug/kg	ND	5.0	05/10/10 11:22	
TOTAL BTEX	ug/kg	ND	30.0	05/10/10 11:22	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/10/10 11:22	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/10/10 11:22	
Trichloroethene	ug/kg	ND	5.0	05/10/10 11:22	
Vinyl chloride	ug/kg	ND	5.0	05/10/10 11:22	
Xylene (Total)	ug/kg	ND	15.0	05/10/10 11:22	
1,2-Dichloroethane-d4 (S)	%	95	70-130	05/10/10 11:22	
4-Bromofluorobenzene (S)	%	99	70-130	05/10/10 11:22	
Toluene-d8 (S)	%	95	70-130	05/10/10 11:22	

LABORATORY CONTROL SAMPLE. 168114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	20	20.6	103	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	20	14.2	71	70-130	
1,1,2-Trichloroethane	ug/kg	20	16.2	81	70-130	
1,1-Dichloroethane	ug/kg	20	18.1	90	70-130	
1,1-Dichloroethene	ug/kg	20	16.6	83	70-130	
1,2,4-Trichlorobenzene	ug/kg	20	17.9	90	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	19.2	96	70-130	
1,2-Dichlorobenzene	ug/kg	20	17.8	89	70-130	
1,2-Dichloroethane	ug/kg	20	17.4	87	70-130	
1,2-Dichloropropane	ug/kg	20	15.6	78	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	19.0	95	70-130	
1,3-Dichlorobenzene	ug/kg	20	18.7	94	70-130	
1,4-Dichlorobenzene	ug/kg	20	18.3	92	70-130	
2-Butanone (MEK)	ug/kg	20	15.2	76	70-130	
2-Hexanone	ug/kg	20	15.6	78	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	15.2	76	70-130	
Acetone	ug/kg	20	17.9	89	70-130	
Benzene	ug/kg	20	17.3	87	70-130	
Bromochloromethane	ug/kg	20	17.6	88	70-130	
Bromodichloromethane	ug/kg	20	17.0	85	70-130	
Bromoform	ug/kg	20	16.1	81	70-130	
Bromomethane	ug/kg	20	20.7	103	70-130	
Carbon disulfide	ug/kg	20	24.3	121	70-130	
Carbon tetrachloride	ug/kg	20	20.9	105	70-130	
Chlorobenzene	ug/kg	20	18.8	94	70-130	
Chloroethane	ug/kg	20	25.1	126	70-130	
Chloroform	ug/kg	20	18.8	94	70-130	
Chloromethane	ug/kg	20	16.8	84	70-130	
cis-1,2-Dichloroethene	ug/kg	20	18.0	90	70-130	
cis-1,3-Dichloropropene	ug/kg	20	15.9	79	70-130	

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(724)850-5600

### QUALITY CONTROL DATA

Project. [REDACTED] 2H/4H  
Pace Project No : 3027140

LABORATORY CONTROL SAMPLE: 168114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/kg	20	17.0	85	70-130	
Ethylbenzene	ug/kg	20	19.9	99	70-130	
Isopropylbenzene (Cumene)	ug/kg	20	19.3	97	70-130	
m&p-Xylene	ug/kg	40	41.5	104	70-130	
Methyl-tert-butyl ether	ug/kg	20	20.0	100	70-130	
Methylene Chloride	ug/kg	20	15.7	78	70-130	
n-Butylbenzene	ug/kg	20	19.8	99	70-130	
n-Propylbenzene	ug/kg	20	19.6	98	70-130	
Naphthalene	ug/kg	20	15.5	77	70-130	
o-Xylene	ug/kg	20	18.8	94	70-130	
p-Isopropyltoluene	ug/kg	20	19.5	98	70-130	
sec-Butylbenzene	ug/kg	20	19.8	99	70-130	
Styrene	ug/kg	20	18.2	91	70-130	
Tetrachloroethene	ug/kg	20	20.4	102	70-130	
Toluene	ug/kg	20	18.4	92	70-130	
TOTAL BTEX	ug/kg		116			
trans-1,2-Dichloroethene	ug/kg	20	18.1	90	70-130	
trans-1,3-Dichloropropene	ug/kg	20	15.6	78	70-130	
Trichloroethene	ug/kg	20	19.0	95	70-130	
Vinyl chloride	ug/kg	20	19.4	97	70-130	
Xylene (Total)	ug/kg	60	60.3	100	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			93	70-130	

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### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H

Pace Project No.: 3027140

QC Batch:	PMST/1831	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011		

SAMPLE DUPLICATE: 166840

Parameter	Units	3026646001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.4	17.5	.5	

SAMPLE DUPLICATE: 166841

Parameter	Units	3026646002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	18.5	19.0	2	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027140

QC Batch:	PMST/1832	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples: 3027140013, 3027140015, 3027140017, 3027140019, 3027140021, 3027140023			

SAMPLE DUPLICATE: 167103

Parameter	Units	3027186001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.8	18.8	6	

SAMPLE DUPLICATE: 167104

Parameter	Units	3027185004 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	10.8	7.1	41	1c

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No : 3027140

QC Batch: WET/5517 Analysis Method: SM 5540C  
QC Batch Method: SM 5540C Analysis Description: 5540C MBAS Surfactants  
Associated Lab Samples: 3027140002, 3027140004, 3027140006, 3027140008, 3027140010, 3027140012, 3027140014, 3027140016, 3027140018, 3027140020, 3027140022, 3027140024

METHOD BLANK: 167724 Matrix: Water  
Associated Lab Samples: 3027140002, 3027140004, 3027140006, 3027140008, 3027140010, 3027140012, 3027140014, 3027140016, 3027140018, 3027140020, 3027140022, 3027140024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.10	05/07/10 15:01	

METHOD BLANK: 167725 Matrix: Water  
Associated Lab Samples: 3027140002, 3027140004, 3027140006, 3027140008, 3027140010, 3027140012, 3027140014, 3027140016, 3027140018, 3027140020, 3027140022, 3027140024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.10	05/07/10 15:01	

LABORATORY CONTROL SAMPLE: 167726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	1	0.94	94	85-115	SU

MATRIX SPIKE SAMPLE: 167728

Parameter	Units	3027140024 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	ND	1	0.81	78	85-115	M3

SAMPLE DUPLICATE: 167727

Parameter	Units	3027140022 Result	Dup Result	RPD	Qualifiers
Surfactants	mg/L	0.18	0.21	15	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027140

QC Batch:	WETA/4185	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140017, 3027140019, 3027140021, 3027140023		

METHOD BLANK:	167843	Matrix:	Solid
Associated Lab Samples:	3027140001, 3027140003, 3027140005, 3027140007, 3027140009, 3027140011, 3027140013, 3027140015, 3027140017, 3027140019, 3027140021, 3027140023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/kg	ND	5.0	05/08/10 15:54	

LABORATORY CONTROL SAMPLE: 167844

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/kg	157	150	96	85-115	

MATRIX SPIKE SAMPLE: 167845

Parameter	Units	3027140023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/kg	163	572	652	86	85-115	

SAMPLE DUPLICATE: 167846

Parameter	Units	3027140023 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/kg	163	172	5	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No : 3027140

QC Batch:	WETA/4184	Analysis Method:	SM 4500-Cl-E
QC Batch Method:	SM 4500-Cl-E	Analysis Description	4500 Chloride
Associated Lab Samples:	3027140002, 3027140004, 3027140006, 3027140008, 3027140010, 3027140012, 3027140014, 3027140016, 3027140018, 3027140020, 3027140022, 3027140024		

METHOD BLANK:	167807	Matrix	Water
Associated Lab Samples:	3027140002, 3027140004, 3027140006, 3027140008, 3027140010, 3027140012, 3027140014, 3027140016, 3027140018, 3027140020, 3027140022, 3027140024		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	05/08/10 11:21	

METHOD BLANK:	167842	Matrix	Water
Associated Lab Samples:	3027140002, 3027140004, 3027140006, 3027140008, 3027140010, 3027140012, 3027140014, 3027140016, 3027140018, 3027140020, 3027140022, 3027140024		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	05/08/10 00:00	

LABORATORY CONTROL SAMPLE: 167808

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	39.3	98	85-115	

MATRIX SPIKE SAMPLE: 167809

Parameter	Units	3027140024 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	3.5	20	20.3	84	85-115	M1

SAMPLE DUPLICATE: 167810

Parameter	Units	3027140024 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	3.5	3.5	.3	

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## QUALIFIERS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027140

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.  
ND - Not Detected at or above adjusted reporting limit.  
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit  
MDL - Adjusted Method Detection Limit.  
S - Surrogate  
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
U - Indicates the compound was analyzed for, but not detected.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

### LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

### WORKORDER QUALIFIERS

WO: 3027140

[1] The samples were subcontracted to Summit Environmental, 3310 Win Street, Cuyahoga Falls, OH 44223 for Glycol analysis. Results of the analysis are reported on the Summit Environmental data tables

### ANALYTE QUALIFIERS

1c RPD outside QC limits due to non-homogenous sample.  
2c Samples from this project are ASTMs.  
L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.  
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.  
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery  
M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.  
R1 RPD value was outside control limits.  
S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples  
Results unaffected by high bias  
SU MBAS, calculated as LAS, Mol wt 342.2 g/mol

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2H/4H  
Pace Project No : 3027140

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027140001	2H/4H-1	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140003	2H/4H-2	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140005	2H/4H-7	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140007	2H/4H-12	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140009	2H/4H-11	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140011	2H/4H-10	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140013	2H/4H-4	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140015	2H/4H-5	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140017	2H/4H-3	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140019	2H/4H-6	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140021	2H/4H-8	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140023	2H/4H-9	EPA 3050	MPRP/3802	EPA 6010B	ICP/3413
3027140001	2H/4H-1	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140003	2H/4H-2	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140005	2H/4H-7	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140007	2H/4H-12	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140009	2H/4H-11	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140011	2H/4H-10	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140013	2H/4H-4	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140015	2H/4H-5	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140017	2H/4H-3	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140019	2H/4H-6	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140021	2H/4H-8	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140023	2H/4H-9	EPA 7471	MERP/1887	EPA 7471	MERC/1845
3027140001	2H/4H-1	EPA 3546	OEXT/4834	EPA 8270	MSSV/2091
3027140003	2H/4H-2	EPA 3546	OEXT/4834	EPA 8270	MSSV/2091
3027140005	2H/4H-7	EPA 3546	OEXT/4834	EPA 8270	MSSV/2091
3027140007	2H/4H-12	EPA 3546	OEXT/4834	EPA 8270	MSSV/2091
3027140009	2H/4H-11	EPA 3546	OEXT/4834	EPA 8270	MSSV/2091
3027140011	2H/4H-10	EPA 3546	OEXT/4834	EPA 8270	MSSV/2091
3027140013	2H/4H-4	EPA 3546	OEXT/4834	EPA 8270	MSSV/2091
3027140015	2H/4H-5	EPA 3546	OEXT/4834	EPA 8270	MSSV/2091
3027140017	2H/4H-3	EPA 3546	OEXT/4834	EPA 8270	MSSV/2091
3027140019	2H/4H-6	EPA 3546	OEXT/4834	EPA 8270	MSSV/2091
3027140021	2H/4H-8	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027140023	2H/4H-9	EPA 3546	OEXT/4834	EPA 8270	MSSV/2091
3027140001	2H/4H-1	EPA 8260	MSV/5753		
3027140003	2H/4H-2	EPA 8260	MSV/5753		
3027140005	2H/4H-7	EPA 8260	MSV/5772		
3027140007	2H/4H-12	EPA 8260	MSV/5753		
3027140009	2H/4H-11	EPA 8260	MSV/5753		
3027140011	2H/4H-10	EPA 8260	MSV/5753		
3027140013	HIB 2H/4H-4	EPA 8260	MSV/5753		
3027140015	2H/4H-5	EPA 8260	MSV/5753		
3027140017	2H/4H-3	EPA 8260	MSV/5772		

Date: 06/16/2010 08 32 AM

### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006480

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: XXXXXXXXXX 2H/4H  
Pace Project No : 3027140

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027140019	2H/4H-6	EPA 8260	MSV/5753		
3027140021	2H/4H-8	EPA 8260	MSV/5753		
3027140023	2H/4H-9	EPA 8260	MSV/5772		
3027140001	2H/4H-1	ASTM D2974-87	PMST/1831		
3027140003	2H/4H-2	ASTM D2974-87	PMST/1831		
3027140005	2H/4H-7	ASTM D2974-87	PMST/1831		
3027140007	2H/4H-12	ASTM D2974-87	PMST/1831		
3027140009	2H/4H-11	ASTM D2974-87	PMST/1831		
3027140011	2H/4H-10	ASTM D2974-87	PMST/1831		
3027140013	2H/4H-4	ASTM D2974-87	PMST/1832		
3027140015	2H/4H-5	ASTM D2974-87	PMST/1832		
3027140017	2H/4H-3	ASTM D2974-87	PMST/1832		
3027140019	2H/4H-6	ASTM D2974-87	PMST/1832		
3027140021	2H/4H-8	ASTM D2974-87	PMST/1832		
3027140023	2H/4H-9	ASTM D2974-87	PMST/1832		
3027140002	2H/4H-1 (ASTM)	SM 5540C	WET/5517		
3027140004	2H/4H-2 (ASTM)	SM 5540C	WET/5517		
3027140006	2H/4H-7 (ASTM)	SM 5540C	WET/5517		
3027140008	2H/4H-12 (ASTM)	SM 5540C	WET/5517		
3027140010	2H/4H-11 (ASTM)	SM 5540C	WET/5517		
3027140012	2H/4H-10 (ASTM)	SM 5540C	WET/5517		
3027140014	2H/4H-4 (ASTM)	SM 5540C	WET/5517		
3027140016	2H/4H-5 (ASTM)	SM 5540C	WET/5517		
3027140018	2H/4H-3 (ASTM)	SM 5540C	WET/5517		
3027140020	2H/4H-6 (ASTM)	SM 5540C	WET/5517		
3027140022	2H/4H-8 (ASTM)	SM 5540C	WET/5517		
3027140024	2H/4H-9 (ASTM)	SM 5540C	WET/5517		
3027140001	2H/4H-1	EPA 350.1	WETA/4185		
3027140003	2H/4H-2	EPA 350.1	WETA/4185		
3027140005	2H/4H-7	EPA 350.1	WETA/4185		
3027140007	2H/4H-12	EPA 350.1	WETA/4185		
3027140009	2H/4H-11	EPA 350.1	WETA/4185		
3027140011	2H/4H-10	EPA 350.1	WETA/4185		
3027140013	2H/4H-4	EPA 350.1	WETA/4185		
3027140015	2H/4H-5	EPA 350.1	WETA/4185		
3027140017	2H/4H-3	EPA 350.1	WETA/4185		
3027140019	2H/4H-6	EPA 350.1	WETA/4185		
3027140021	2H/4H-8	EPA 350.1	WETA/4185		
3027140023	2H/4H-9	EPA 350.1	WETA/4185		
3027140002	2H/4H-1 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140004	2H/4H-2 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140006	2H/4H-7 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140008	2H/4H-12 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140010	2H/4H-11 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140012	2H/4H-10 (ASTM)	SM 4500-CI-E	WETA/4184		

Date: 06/16/2010 08 32 AM

### REPORT OF LABORATORY ANALYSIS

Page 95 of 96

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CABOT-EPA 006481





Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: [REDACTED] 2H/4H  
Pace Project No : 3027140

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027140014	2H/4H-4(ASTM)	SM 4500-CI-E	WETA/4184		
3027140016	2H/4H-5 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140018	2H/4H-3(ASTM)	SM 4500-CI-E	WETA/4184		
3027140020	2H/4H-6 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140022	2H/4H-8 (ASTM)	SM 4500-CI-E	WETA/4184		
3027140024	2H/4H-9 (ASTM)	SM 4500-CI-E	WETA/4184		

Date: 06/16/2010 08:32 AM

### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006482



## LABORATORY REPORT

### Client

Pace Analytical  
1638 Roseytown Road  
Greensburg, PA 15601

### Order Number

1006689

### Project Number

3027140

### Issued

Tuesday, May 11, 2010

### Total Number of Pages

5 (excluding C.O.C. and cooler receipt form)

Approved By :

A handwritten signature in black ink, appearing to be "J. M. Smith", written over a horizontal line.

QA Manager

NELAC Accreditation #E87688

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Web Site: [www.settek.com](http://www.settek.com)

CABOT-EPA 006483



### Sample Summary

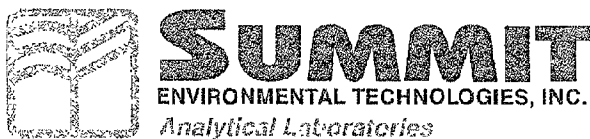
Client: Pace Analytical

Order Number: 1006689

---

Laboratory ID	Client ID	Matrix	Sampling Date
1006689-01	3027140001	Solid	5/4/2010
1006689-02	3027140003	Solid	5/4/2010
1006689-03	3027140005	Solid	5/4/2010
1006689-04	3027140007	Solid	5/4/2010
1006689-05	3027140009	Solid	5/4/2010
1006689-06	3027140011	Solid	5/4/2010
1006689-07	3027140013	Solid	5/4/2010
1006689-08	3027140015	Solid	5/4/2010
1006689-09	3027140017	Solid	5/4/2010
1006689-10	3027140019	Solid	5/4/2010
1006689-11	3027140021	Solid	5/4/2010
1006689-12	3027140023	Solid	5/4/2010

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## Report Narrative

Client: Pace Analytical

Order Number: 1006689

Solid sample results are reported on a wet weight basis except as noted.

No problems were encountered during analysis of this order number, except as noted.

### Data Qualifiers:

B = Analyte found in the method blank  
J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)  
C = Analyte has been confirmed by another instrument or method  
E = Analyte exceeds the upper limit of the calibration curve.  
D = Sample or extract was analyzed at a higher dilution  
X = User defined data qualifier.  
S = Surrogate out of control limits  
U = Undetected  
a = Not Accredited by NELAC

ND = Non Detected at LOQ  
DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor)  
Limit Of Detection (LOD) = Laboratory Detection Limit

Estimated uncertainty values are available upon request.

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

Matrices:
A = Air
C = Cream
DW = Drinking Water
L = Liquid
O = Oil
SL = Sludge
SO = Soil
S = Solid
T = Tablet
TC = TCLP Extract
WW = Waste Water
W = Wipe

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Web Site: [www.settek.com](http://www.settek.com)



May 11, 2010

Client: Pace Analytical  
Address: 1638 Roscytown Road  
Greensburg, PA 15601

Received: 5/7/2010

Project #: 3027140

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140001	1006689-01	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN
<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140003	1006689-02	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN
<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140005	1006689-03	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN
<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140007	1006689-04	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN
<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140009	1006689-05	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN
<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140011	1006689-06	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN
<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140013	1006689-07	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN
<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140015	1006689-08	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN
<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140017	1006689-09	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN
<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140019	1006689-10	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN
<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140021	1006689-11	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN

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CABOT-EPA 006486





May 11, 2010

Client: Pace Analytical  
Address: 1638 Roseytown Road  
Greensburg, PA 15601

Received: 5/7/2010

Project #: 3027140

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027140023	1006689-12	04-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	11-May-10	JBN

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Web Site: [www.settek.com](http://www.settek.com)

CABOT-EPA 006487

# Chain of Custody



Pace Analytical Services, Inc.  
1638 Roseytown Road  
Suites 2,3, & 4  
Greensburg, PA 15601  
Phone: (724) 850-5600  
FAX: (724) 850-5601

Page 1 of 1

Subcontractor Project No.:  
P.O. No: ASR- 3027140

Request Date: 5/6/10 Analysis Due Date: 5/11/10 / ASAP  
Shipped By: Fed Ex

Certification Required: PA Certification

Pace Project No.: 3027140  
Report/Invoice to: Tim Reed

	Pace Sample ID:	Matrix:	Collection Date:	Time:	Analysis Requested:	Analytical Method:	Detection Limits:	Units Requested:
1	3027140001	SL	5/4/10		Ethylene Glycol			
2	3027140003	SL	5/4/10		Ethylene Glycol			
3	3027140005	SL	5/4/10		Ethylene Glycol			
4	3027140007	SL	5/4/10		Ethylene Glycol			
5	3027140009	SL	5/4/10		Ethylene Glycol			
6	3027140011	SL	5/4/10		Ethylene Glycol			
7	3027140013	SL	5/4/10		Ethylene Glycol			
8	3027140015	SL	5/4/10		Ethylene Glycol			
9	3027140017	SL	5/4/10		Ethylene Glycol			
10	3027140019	SL	5/4/10		Ethylene Glycol			
11	3027140021	SL	5/4/10		Ethylene Glycol			
12	3027140023	SL	5/4/10		Ethylene Glycol			

Special Requirements: Please e-mail results to timothy.reed@pacelabs.com

1006689-01-12

Subcontract Lab: Summit Environmental Technologies, Inc.  
Address: 3310 Win Street  
Cuyahoga Falls, OH 44223  
Phone: 330-253-8211

Analysis Authorized By:  
Pace Agent Name Title  
Acceptance of Terms By:  
Subcontract Lab Agent Title

Relinquished By: [Signature] 5-7-10 12:00  
(Signature & Affiliation) (Date) (Time)

Received By: [Signature] 5-7-10 11:40  
(Signature & Affiliation) (Date) (Time)

Relinquished By:  
(Signature & Affiliation) (Date) (Time)

Received By:  
(Signature & Affiliation) (Date) (Time)

Comments:

ASR (C015-0 31 July 2007)

CABOT-EPA 006488

DIM0227454

DIM0227721

**Summit Environmental Technologies, Inc.  
Cooler Receipt Form**

Client: Pace Analytical Order Number: 1006689  
 Date Received: 5-7-10 Time Received: 11:40  
 Number of Coolers/Boxes: 1 N/A  
 Shipper: FEDEX UPS DHL Airborne US Postal Walk-in Pickup Other: \_\_\_\_\_  
 Packaging: Peanuts Bubble Wrap Paper Foam None Other: \_\_\_\_\_  
 Tape on cooler/box: (Y) N N/A  
 Custody Seals intact (Y) N N/A  
 C-O-C in plastic (Y) N N/A  
 Ice X Blue ice \_\_\_\_\_ present / absent / melted N/A  
 Sample Temperature 2.6 °C N/A  
 C-O-C filled out properly (Y) N N/A  
 Samples in separate bags (Y) N N/A  
 Sample containers intact\* (Y) N N/A  
 \*If no, list broken sample(s): \_\_\_\_\_

Sample label(s) complete (ID, date, etc.)	<u>(Y)</u>	N	N/A
Label(s) agree with C-O-C	<u>(Y)</u>	N	N/A
Correct containers used	<u>(Y)</u>	N	N/A
Sufficient sample received	<u>(Y)</u>	N	N/A
Bubbles absent from 40 mL vials**	Y	N	<u>(N/A)</u>

\*\* Samples with bubbles less than the size of a pea are acceptable.

Was client contacted about samples Y N  
 Will client send new samples Y N

Client contact: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Logged in by: \_\_\_\_\_

Comments: \_\_\_\_\_

# VOC Tics

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

5MB

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 167962

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 10506007

Level: (low/med) LOW

Date Received: 05/10/10

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 3

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.92	37.0	J
2.	UNKNOWN	3.45	9.82	J
3.	COLUMN BLEED	6.55	8.99	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

CABOT-EPA 006491



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506007.d

Date : 06-MAY-2010 13:52

Client ID: SMB

Instrument: 30msv1.i

Sample Info: 167962,,5

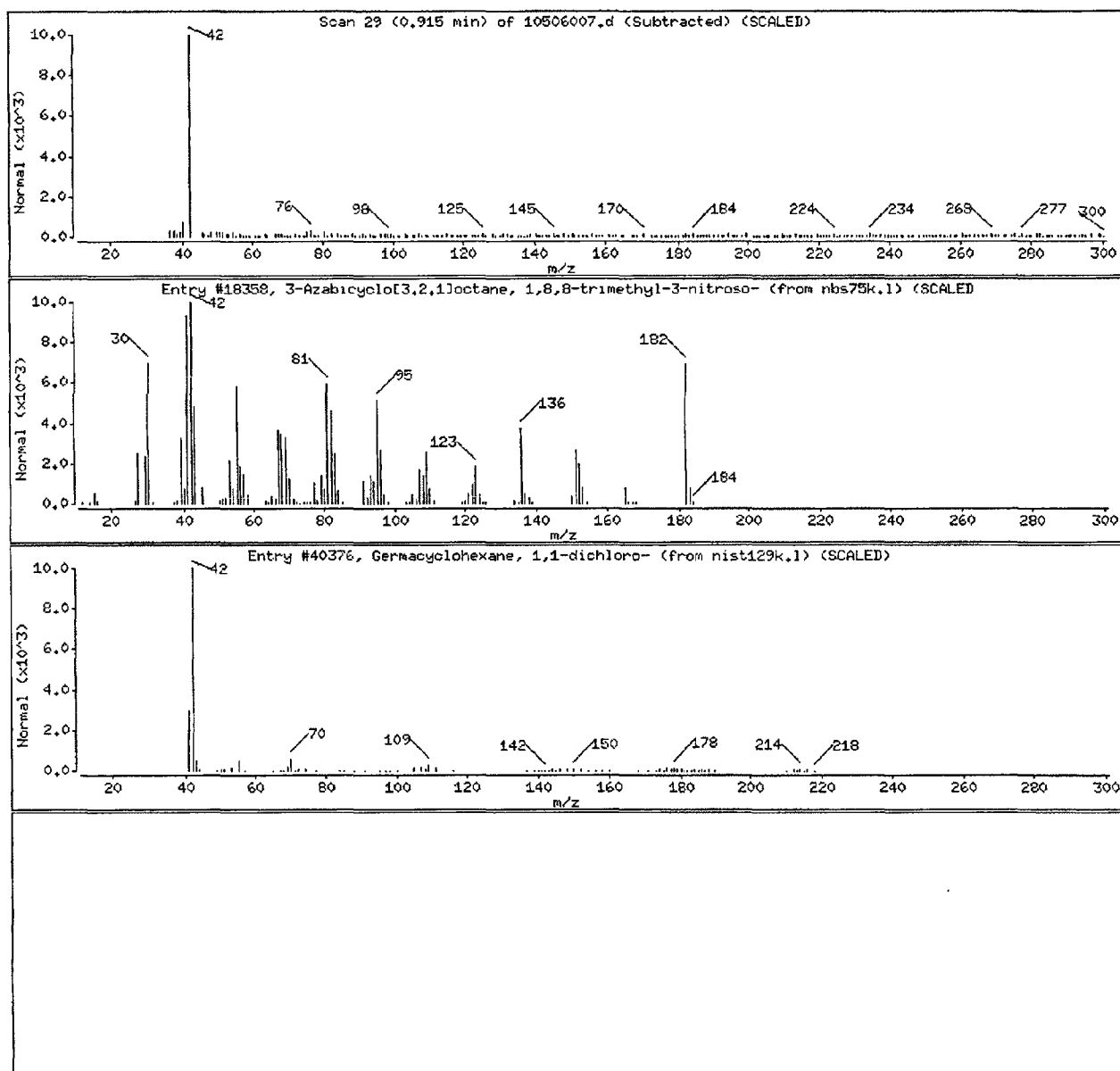
Purge Volume: 5.0

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Azabicyclo[3.2.1]octane, 1,8,8-trimeth	4074-30-0	nbs75k.1	18358	59	C10H18N2O	182
Germacyclohexane, 1,1-dichloro-	56438-28-9	nist129k.1	40376	45	C6H10Cl2Ge	214



CABOT-EPA 006492

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506007.d

Date : 06-MAY-2010 13:52

Client ID: 5MB

Instrument: 30msv1.i

Sample Info: 167962,,5

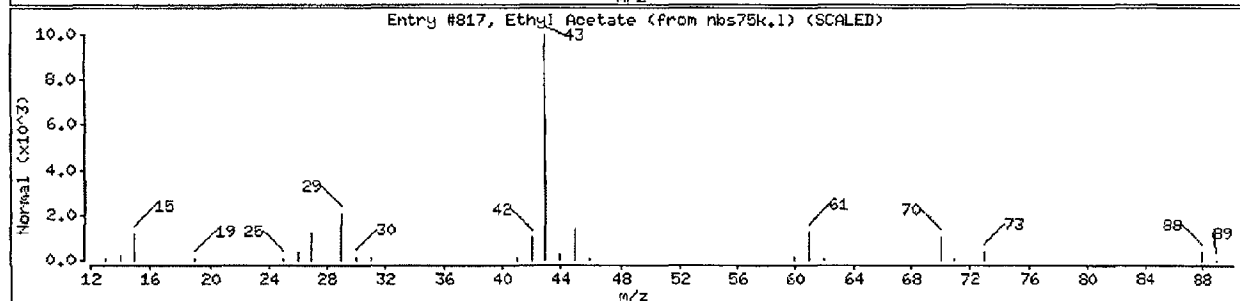
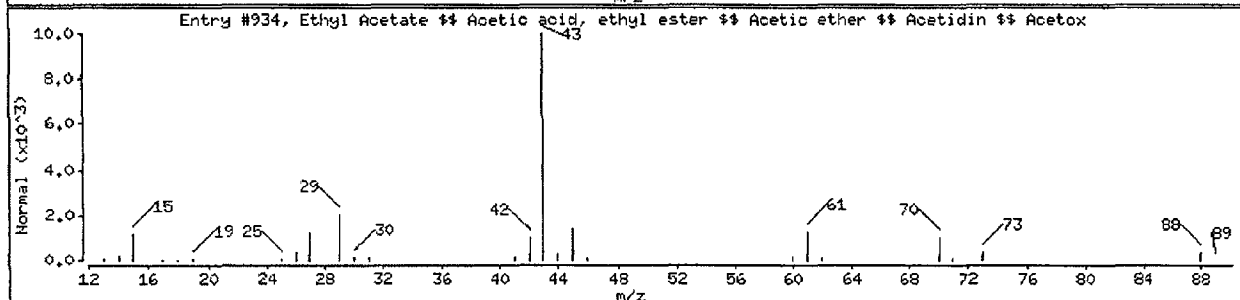
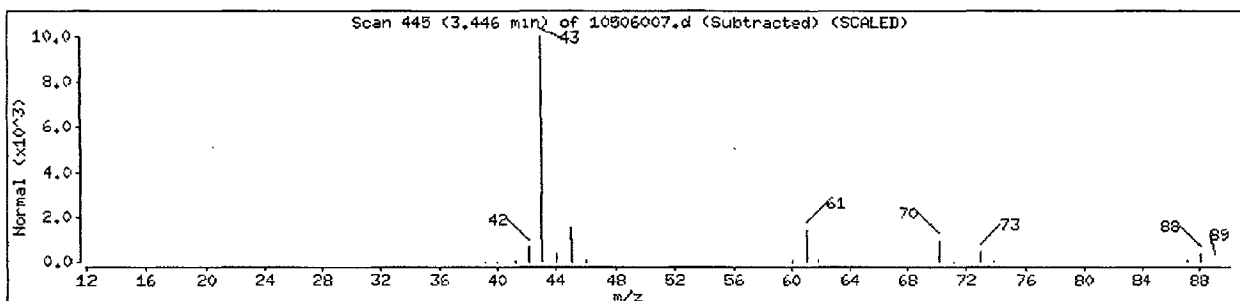
Purge Volume: 5.0

Operator: JEN

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Ethyl Acetate $\neq$ Acetic acid, ethyl este	141-78-6	nist129k.1	934	86	C4H8O2	88
Ethyl Acetate	141-78-6	nbs75k.1	817	86	C4H8O2	88



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.k\10506007.d

Date : 06-MAY-2010 13:52

Client ID: 5MB

Instrument: 30msv1.i

Sample Info: 167962,,5

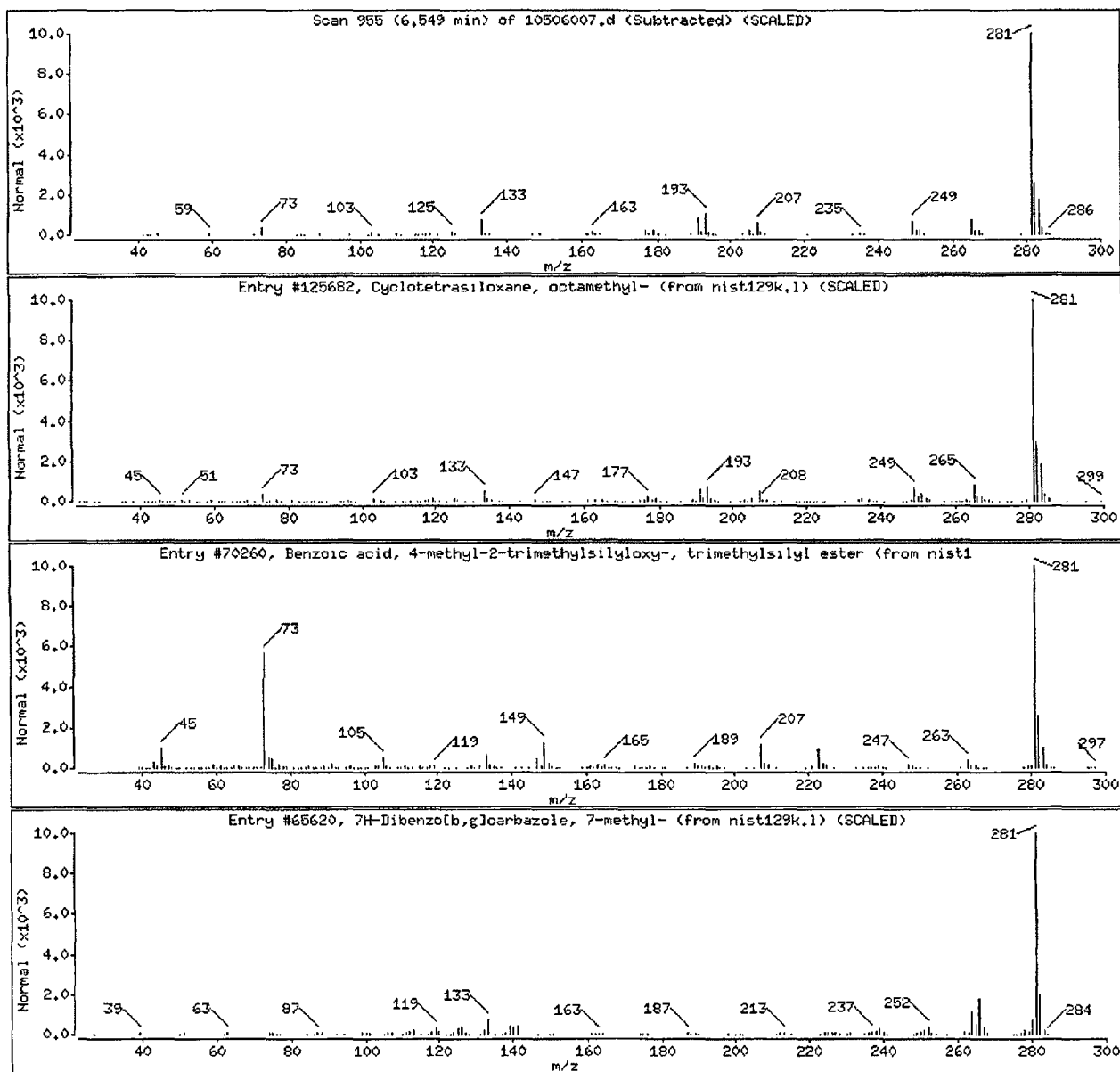
Purge Volume: 5.0

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k.1	125682	91	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	296
Benzoic acid, 4-methyl-2-trimethylsilylo	0-00-0	nist129k.1	70260	59	C <sub>14</sub> H <sub>24</sub> O <sub>3</sub> Si <sub>2</sub>	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	nist129k.1	65620	59	C <sub>21</sub> H <sub>15</sub> N	281



CABOT-EPA 006494

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

5MB

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140

Matrix: (soil/water) SOIL

Lab Sample ID: 168113

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 50510006

Level: (low/med) LOW

Date Received: 05/10/10

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/10/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 3

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.90	5.36	J
2. 27750-45-4	COLUMN BLEED	7.91	4.12	NJ
3. 556-67-2	COLUMN BLEED	8.57	5.08	NJ
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FORM I VOA-TIC

CABOT-EPA 006495

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510006.d

Date : 10-MAY-2010 11:22

Client ID:

Instrument: 30msv5.i

Sample Info: 168113,,5

Purge Volume: 5.0

Operator: JEW

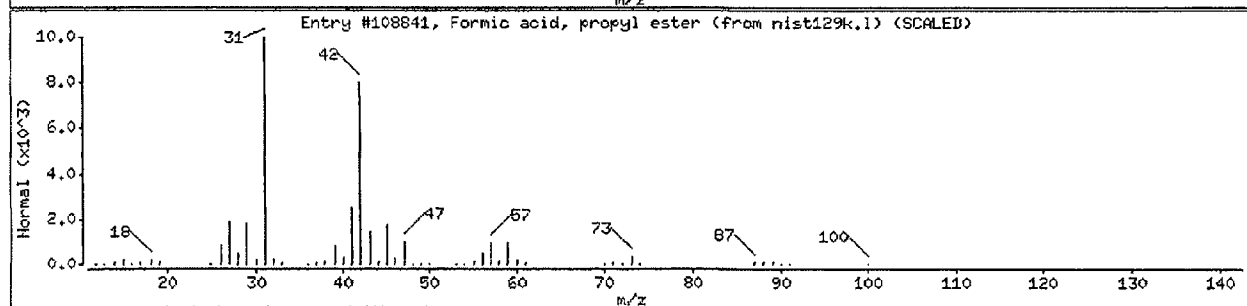
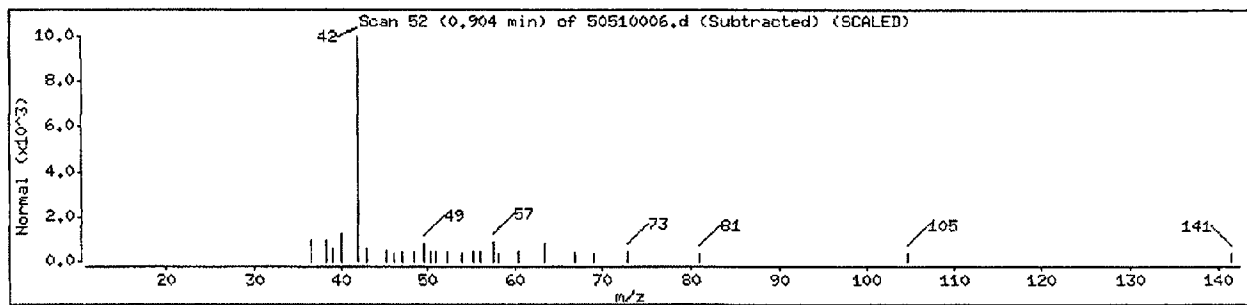
Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match  
Unknown

Formic acid, propyl ester

CAS Number	Library	Entry	Quality	Formula	Weight
110-74-7	nist129k.1	108841	36	C4H8O2	88





Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510006.d

Date : 10-MAY-2010 11:22

Client ID:

Instrument: 30msv5.i

Sample Info: 168113,,5

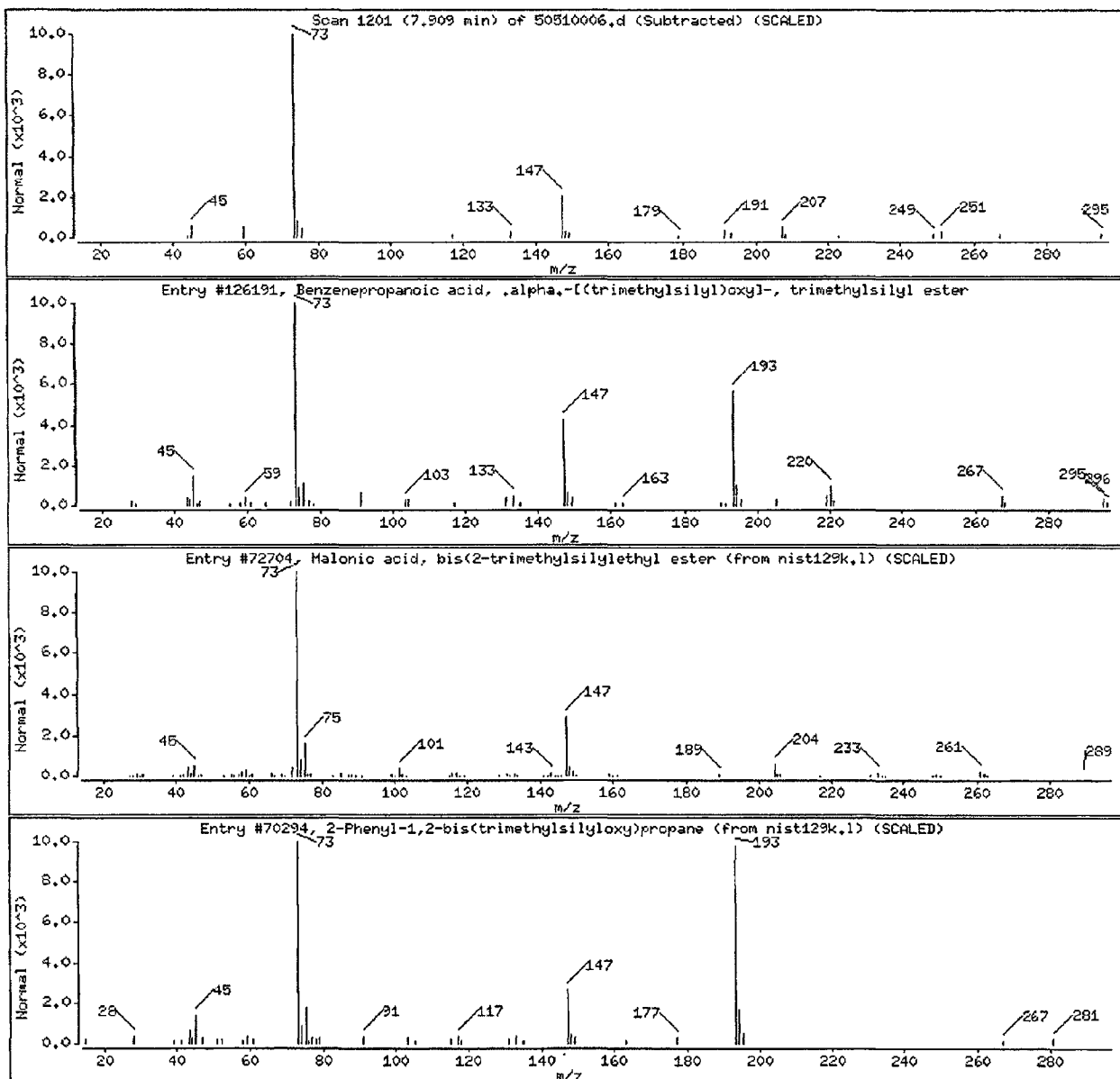
Purge Volume: 5.0

Operator: JEM

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed	27750-45-4	nist129k.1	126191	42	C15H26O3Si2	310
Malonic acid, bis(2-trimethylsilylethyl	90744-45-9	nist129k.1	72704	40	C13H28O4Si2	304
2-Phenyl-1,2-bis(trimethylsilyloxy)propane	0-00-0	nist129k.1	70294	33	C15H28O2Si2	296



CABOT-EPA 006497

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510006.d

Date : 10-MAY-2010 11:22

Client ID:

Instrument: 30msv5.i

Sample Info: 168113,,5

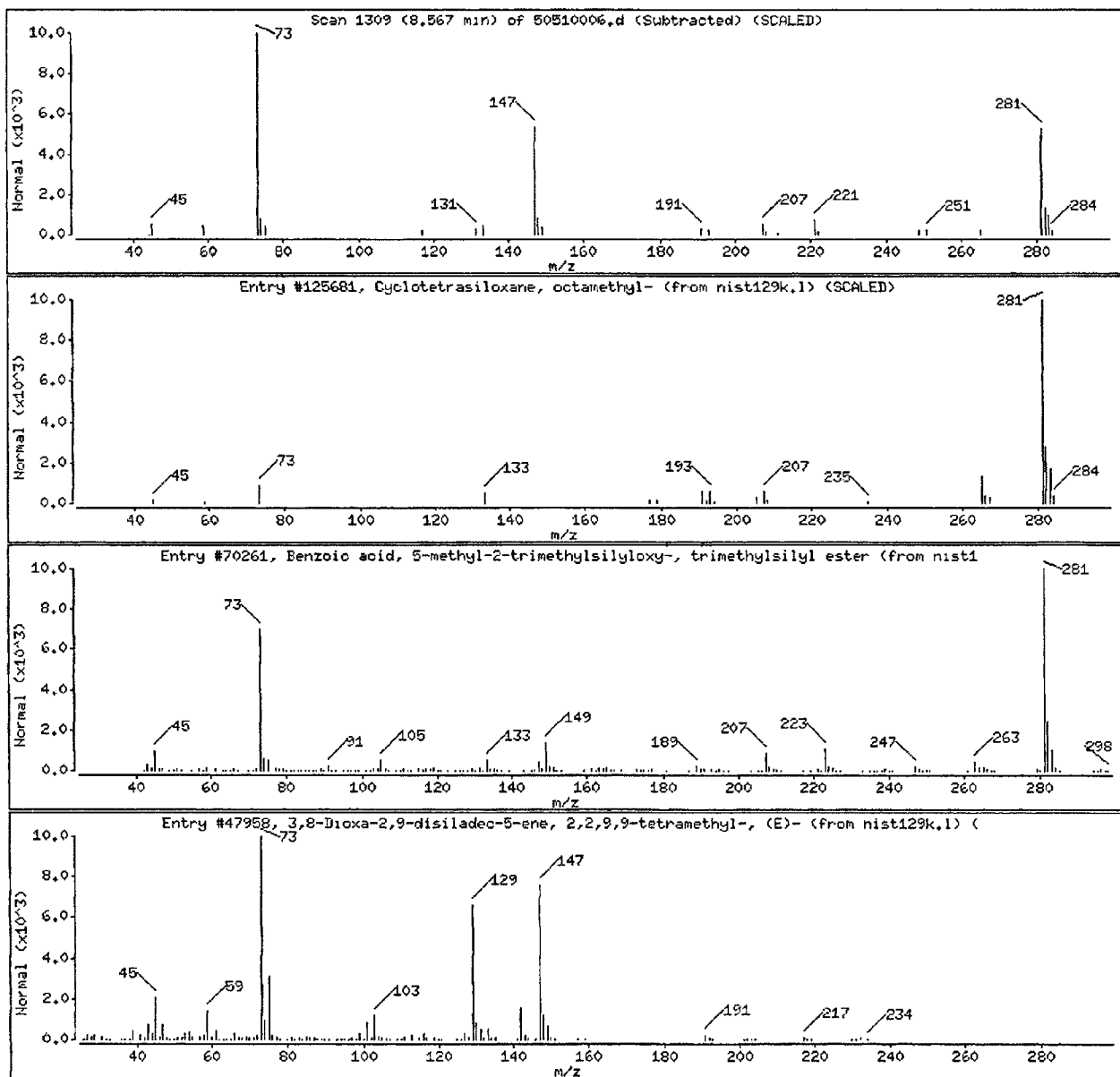
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed	556-67-2	nist129k.1	125681	38	C8H24O4Si4	296
Benzoic acid, 5-methyl-2-trimethylsilylo	0-00-0	nist129k.1	70261	38	C14H24O3Si2	296
3,8-Dioxa-2,9-disiladec-5-ene, 2,2,9,9-t	53326-59-3	nist129k.1	47958	35	C10H24O2Si2	232



CABOT-EPA 006498

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-1

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 3027140A

Matrix: (soil/water) SOIL Lab Sample ID: 3027140001

Sample wt/vol: 4.9 (g/mL) G Lab File ID: 10506010

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: not dec. 9 Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: (mL) Soil Aliquot Volume: (uL)

Number TICs found: 5

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.91	15.7	J
2.	UNKNOWN	0.93	34.8	J
3.	UNKNOWN	5.88	4.40	J
4. 66-25-1	HEXANAL	5.94	7.63	NJ
5.	COLUMN BLEED	6.55	4.48	J
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FORM I VOA-TIC

CABOT-EPA 006499

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506010.d

Date : 06-MAY-2010 15:05

Client ID: 2H/4H-1

Instrument: 30msv1.i

Sample Info: 3027140001,,4.93

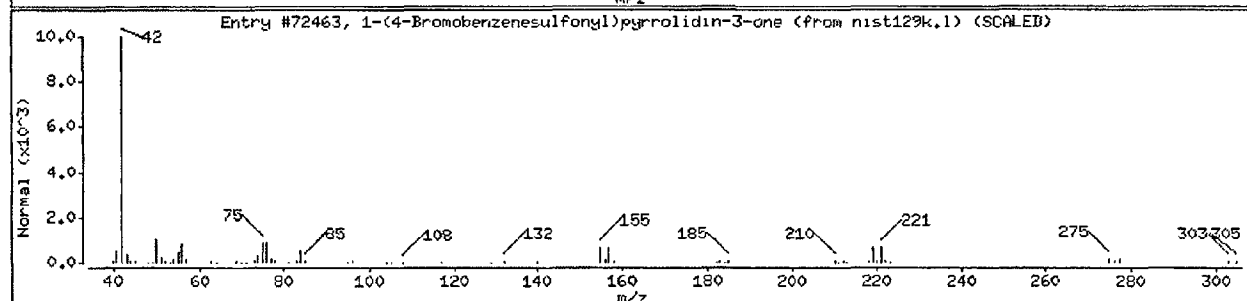
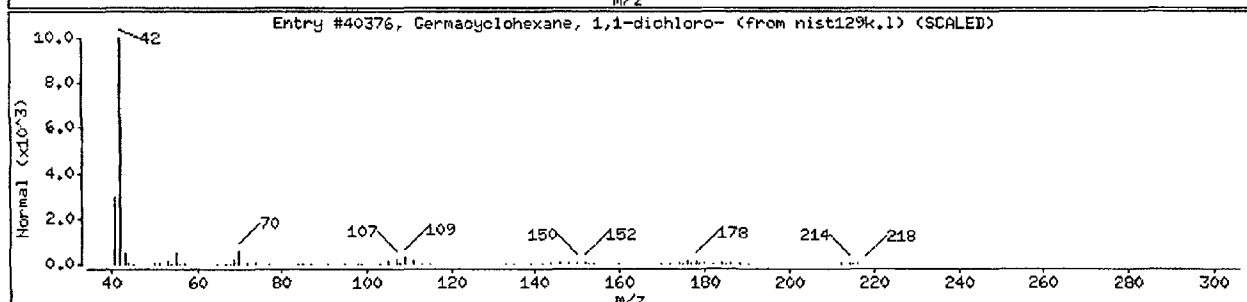
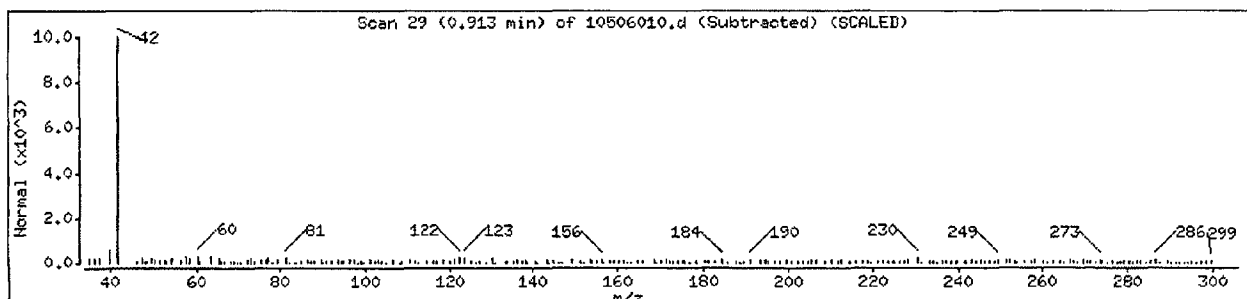
Purge Volume: 4.9

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Germacynolohexane, 1,1-dichloro-	56438-28-9	nist129k.l	40376	39	C5H10Cl2Oe	214
1-(4-Bromobenzenesulfonyl)pyrrolidin-3-o	83133-01-1	nist129k.l	72463	38	C10H10BrNO3S	303



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506010.d

Date : 06-MAY-2010 15:05

Client ID: XXXXXXXXXX 2H/4H-1

Instrument: 30msv1.i

Sample Info: 3027140001,,4.93

Purge Volume: 4.9

Operator: JEN

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match

CAS Number

Library

Entry

Quality Formula

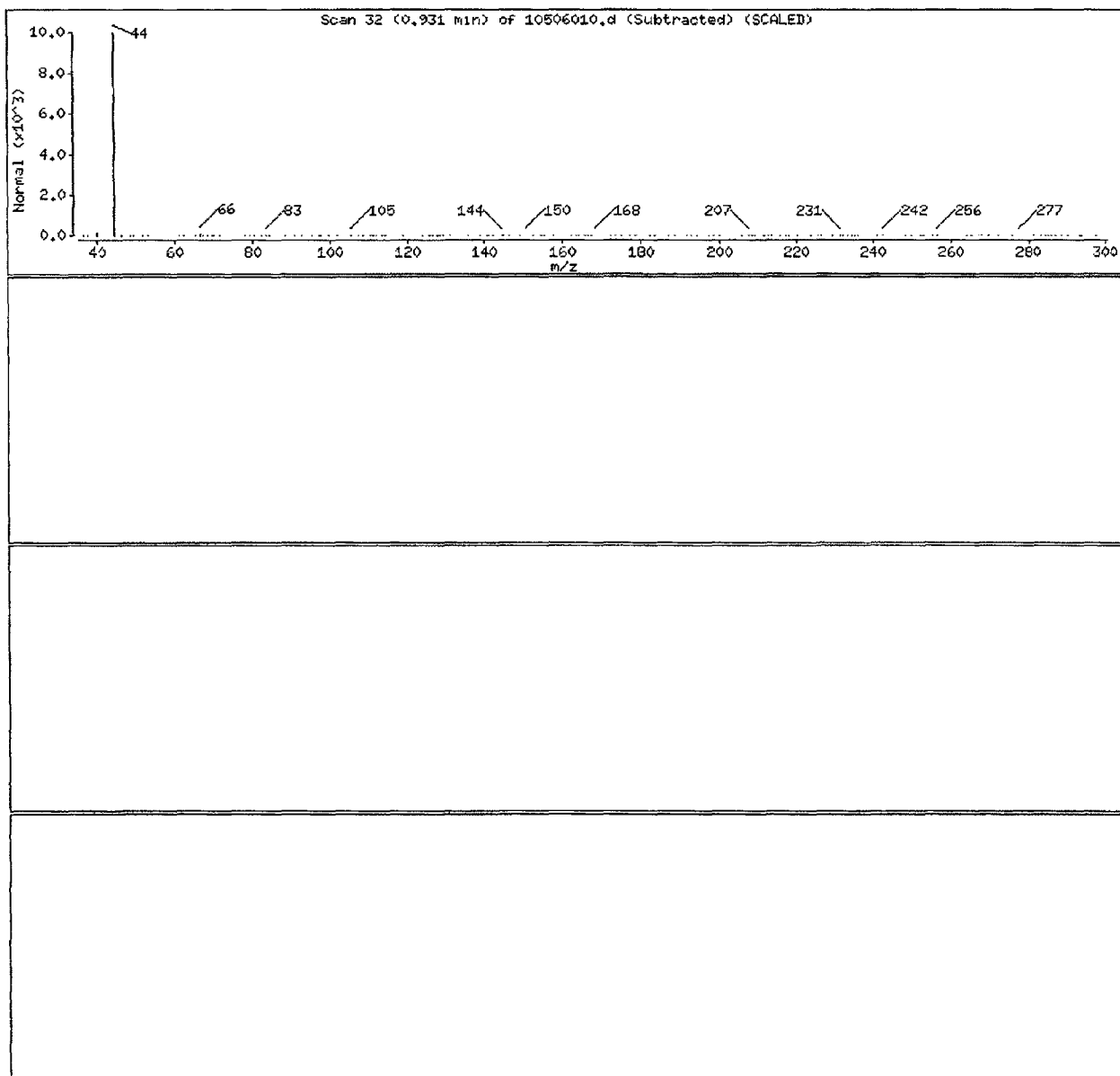
Weight

Unknown

0

0

0



CABOT-EPA 006501

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.i\10506010.d

Date : 06-MAY-2010 15:05

Client ID: 2H/4H-1

Instrument: 30msv1.i

Sample Info: 3027140001,,4.93

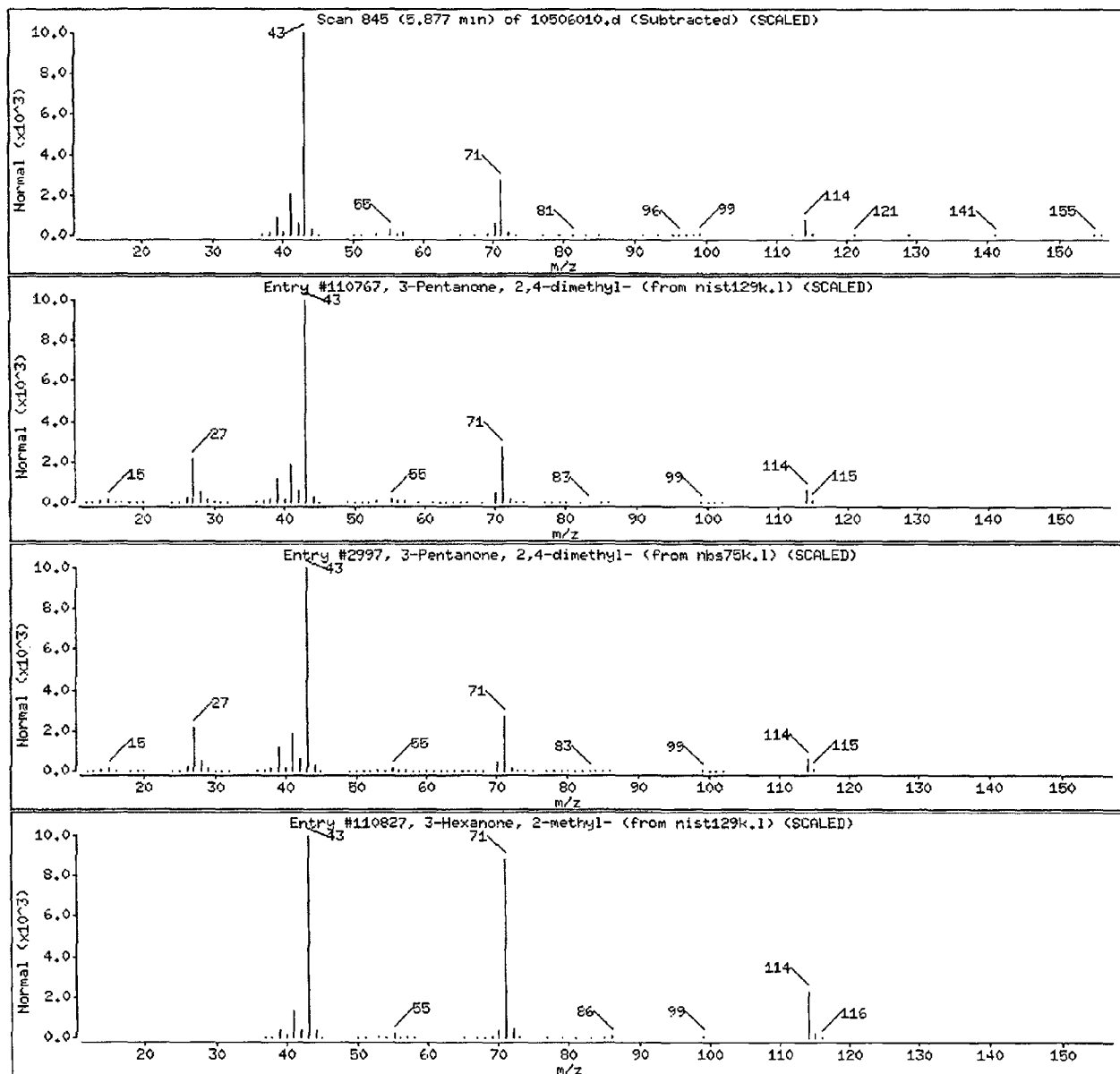
Purge Volume: 4.9

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Pentanone, 2,4-dimethyl-	565-80-0	nist129k.l	110767	83	C7H14O	114
3-Pentanone, 2,4-dimethyl-	565-80-0	nbs75k.l	2997	83	C7H14O	114
3-Hexanone, 2-methyl-	7379-12-6	nist129k.l	110827	64	C7H14O	114



CABOT-EPA 006502



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\1050610.d

Date : 06-MAY-2010 15:05

Client ID: 2H/4H-1

Instrument: 30msv1.i

Sample Info: 3027140001,,4,93

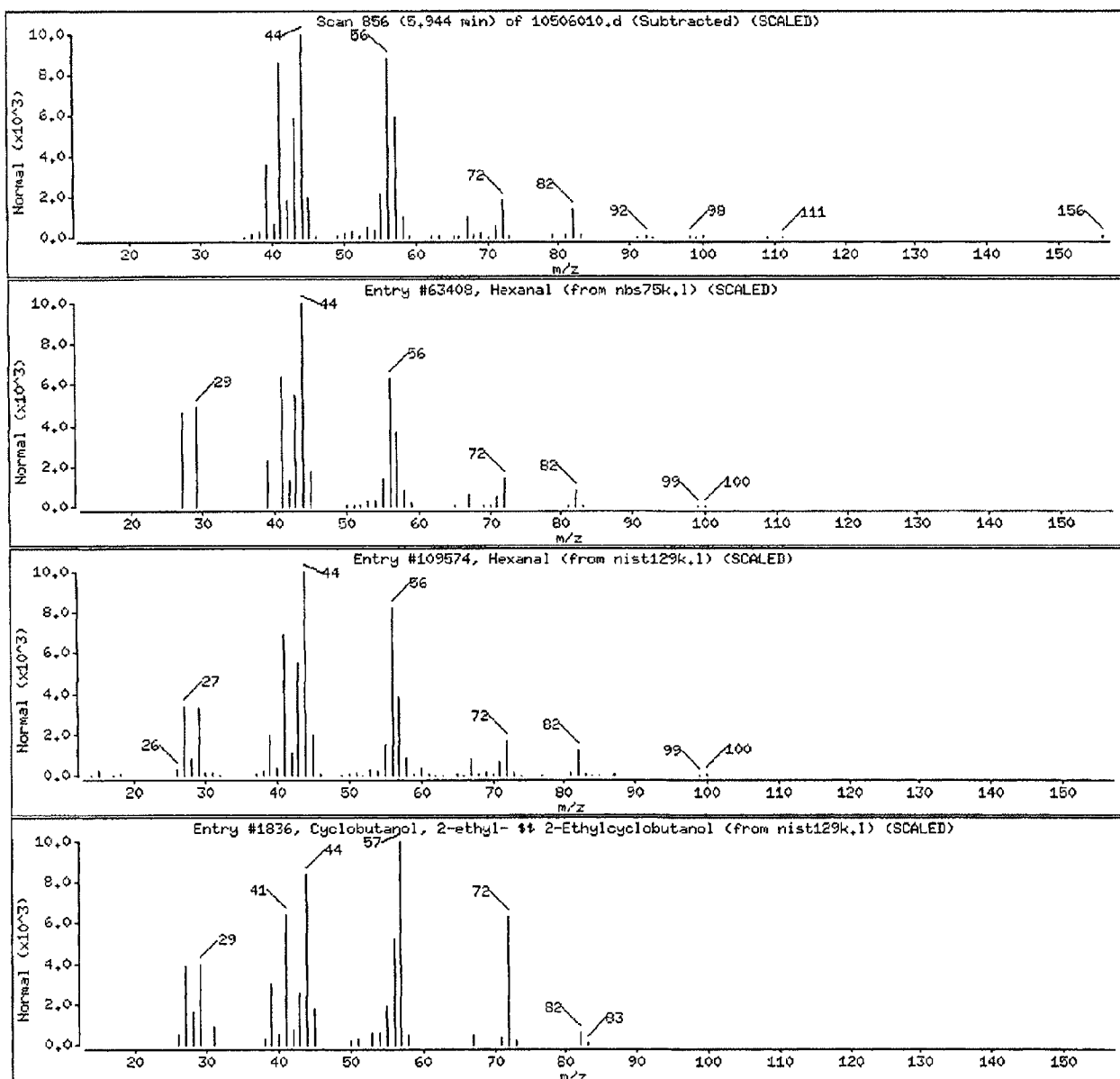
Purge Volume: 4.9

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nbs75k.1	63408	91	C6H12O	100
Hexanal	66-25-1	nist129k.1	109574	90	C6H12O	100
Cyclobutanol, 2-ethyl- & 2-Ethylcyclobu	35301-43-0	nist129k.1	1836	38	C6H12O	100



CABOT-EPA 006503

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.0506010.d

Date : 06-MAY-2010 15:05

Client ID: 2H/4H-1

Instrument: 30msv1.i

Sample Info: 3027140001,,4.93

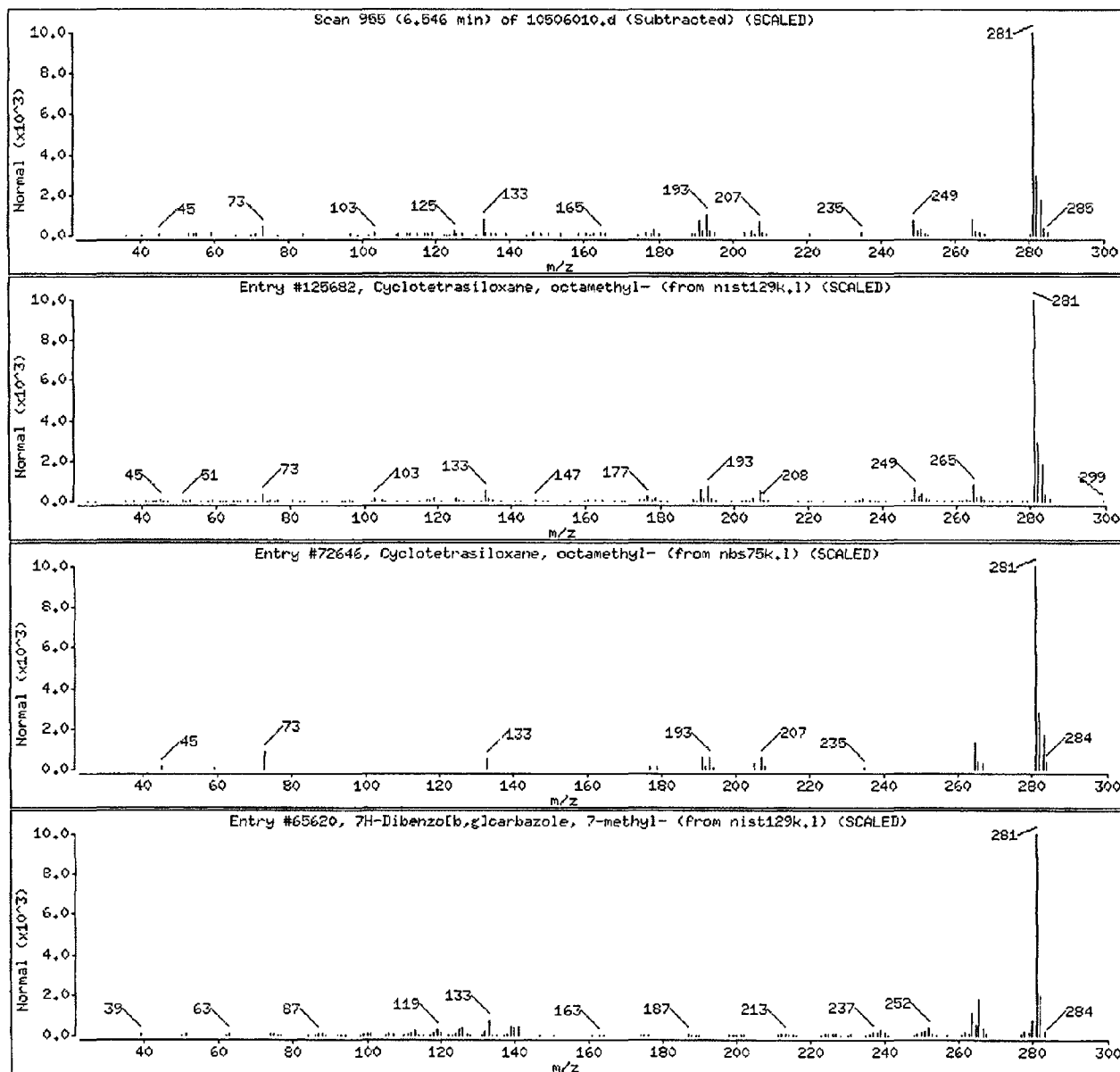
Purge Volume: 4.9

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k.1	125682	87	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	296
Cyclotetrasiloxane, octamethyl-	556-67-2	nbs75k.1	72646	80	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	nist129k.1	65620	59	C <sub>21</sub> H <sub>15</sub> N	281



CABOT-EPA 006504

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

URS Corporation - PG05-MAY-2010 13:40

2H/4H-2

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140003

Sample wt/vol: 6.0 (g/mL) G

Lab File ID: 10506011

Level: (low/med) LOW

Date Received: 05/05/10

% Moisture: not dec. 11

Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 3

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.92	36.8	J
2. 66-25-1	HEXANAL	5.95	12.5	NJ
3.	COLUMN BLEED	6.54	6.25	J
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FORM I VOA-TIC

CABOT-EPA 006505

Data File: \\30wintarget\chem\30msv1.i\1050610,b\1,b\10506011.d

Date : 06-MAY-2010 15:29

Client ID: 2H/4H-2

Instrument: 30msv1.i

Sample Info: 3027140003,,6.02

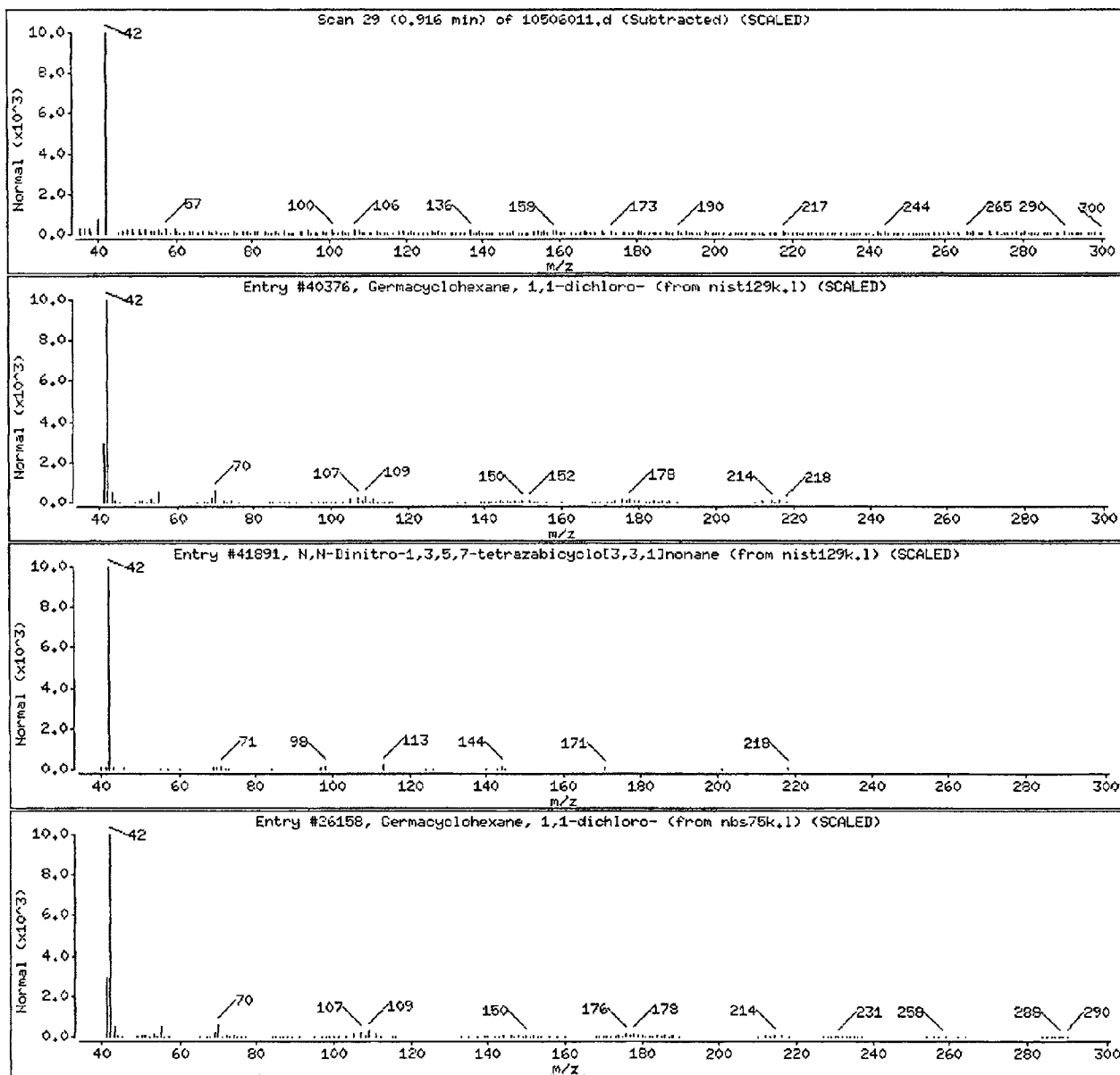
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Germacyclohexane, 1,1-dichloro-	56438-28-9	nist129k.1	40376	64	C5H10Cl2	214
N,N-Dinitro-1,3,5,7-tetrazabicyclo[3,3,1]	0-00-0	nist129k.1	41891	64	C5H10N6O4	218
Germacyclohexane, 1,1-dichloro-	56438-28-9	nbs75k.1	26158	64	C5H10Cl2	214



CABOT-EPA 006506

Data File: \\30uintarget\chem\30msv1.i\1050610.b\1.b\10506011.d

Date : 06-MAY-2010 15:29

Client ID: 2H/4H-2

Instrument: 30msv1.i

Sample Info: 3027140003,,6.02

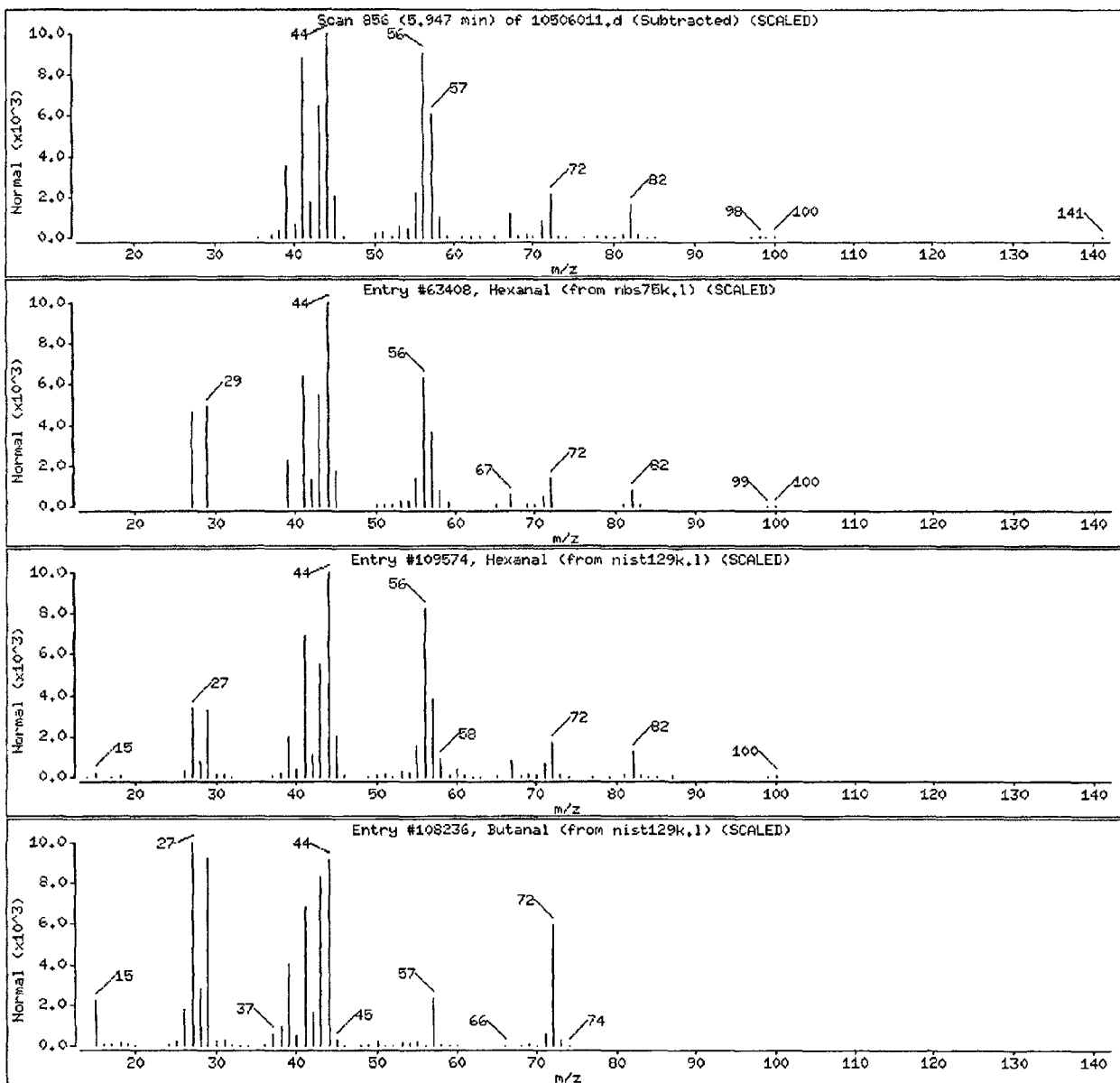
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	DAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nbs75k.1	63408	91	C6H12O	100
Hexanal	66-25-1	nist129k.1	109574	90	C6H12O	100
Butanal	123-72-8	nist129k.1	108236	35	C4H8O	72



CABOT-EPA 006507

Data File: \\30wintarget\chen\30msv1.i\1050610.b\1.b\10506011.d

Date : 06-MAY-2010 15:29

Client ID: 2H/4H-2

Instrument: 30msv1.i

Sample Info: 3027140003,6.02

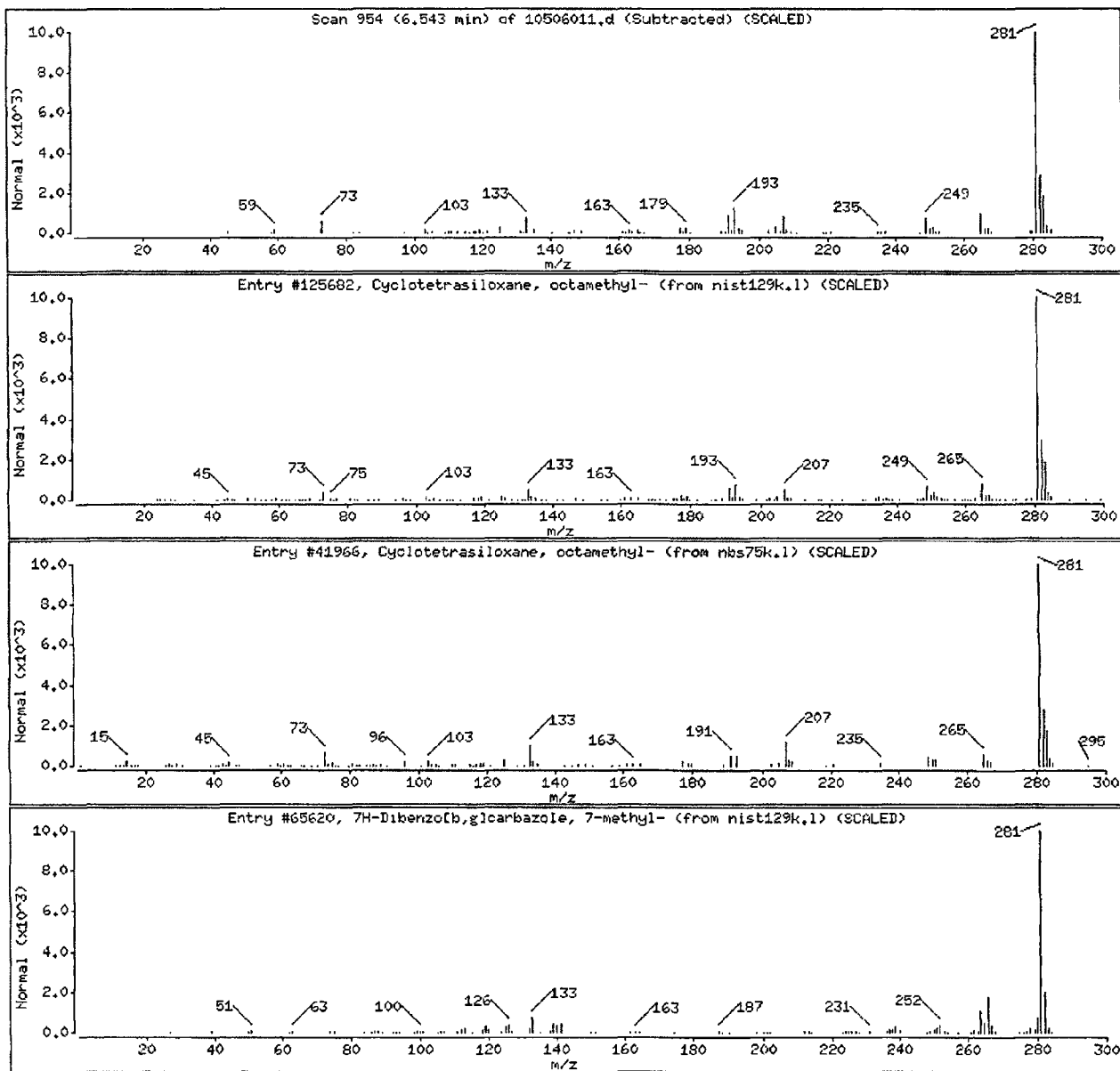
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k.l	125682	91	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	296
Cyclotetrasiloxane, octamethyl-	556-67-2	nbs75k.l	41966	78	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	nist129k.l	65620	59	C <sub>21</sub> H <sub>15</sub> N	281



CABOT-EPA 006508



FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

URS Corporation - PG05-MAY-2010 13:40

2H/4H-3

Lab Name: Contract:  
Lab Code: Case No.: SAS No.: SDG No.: 3027140  
Matrix: (soil/water) SOIL Lab Sample ID: 3027140017  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: 50510008  
Level: (low/med) LOW Date Received: 05/05/10  
% Moisture: not dec. 10 Date Analyzed: 05/10/10  
GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0  
Soil Extract Volume: (mL) Soil Aliquot Volume: (uL)

Number TICs found: 12  
CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.93	20.8	J
2.	UNKNOWN	1.30	3.74	J
3. 109-66-0	PENTANE \$\$ N-PENTANE \$\$ SKEL	1.45	4.11	NJ
4.	UNKNOWN	1.97	7.18	J
5.	UNKNOWN	4.67	4.76	J
6. 110-62-3	PENTANAL \$\$ VALERALDEHYDE \$\$	4.98	17.1	NJ
7. 541-05-9	COLUMN BLEED	5.40	4.13	NJ
8. 66-25-1	HEXANAL	5.85	98.6	NJ
9. 556-67-2	COLUMN BLEED	6.45	5.71	NJ
10.	UNKNOWN	7.02	4.74	J
11. 2199-69-1	BENZENE-1,2,3,4-D4-, 5,6-DIC	7.14	31.9	NJ
12.	UNKNOWN	8.73	4.04	J
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FORM I VOA-TIC

CABOT-EPA 006509

Data File: \\30wintarget\chem\30msv5.i\5100510.k\1.k\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match

CAS Number

Library

Entry

Quality

Formula

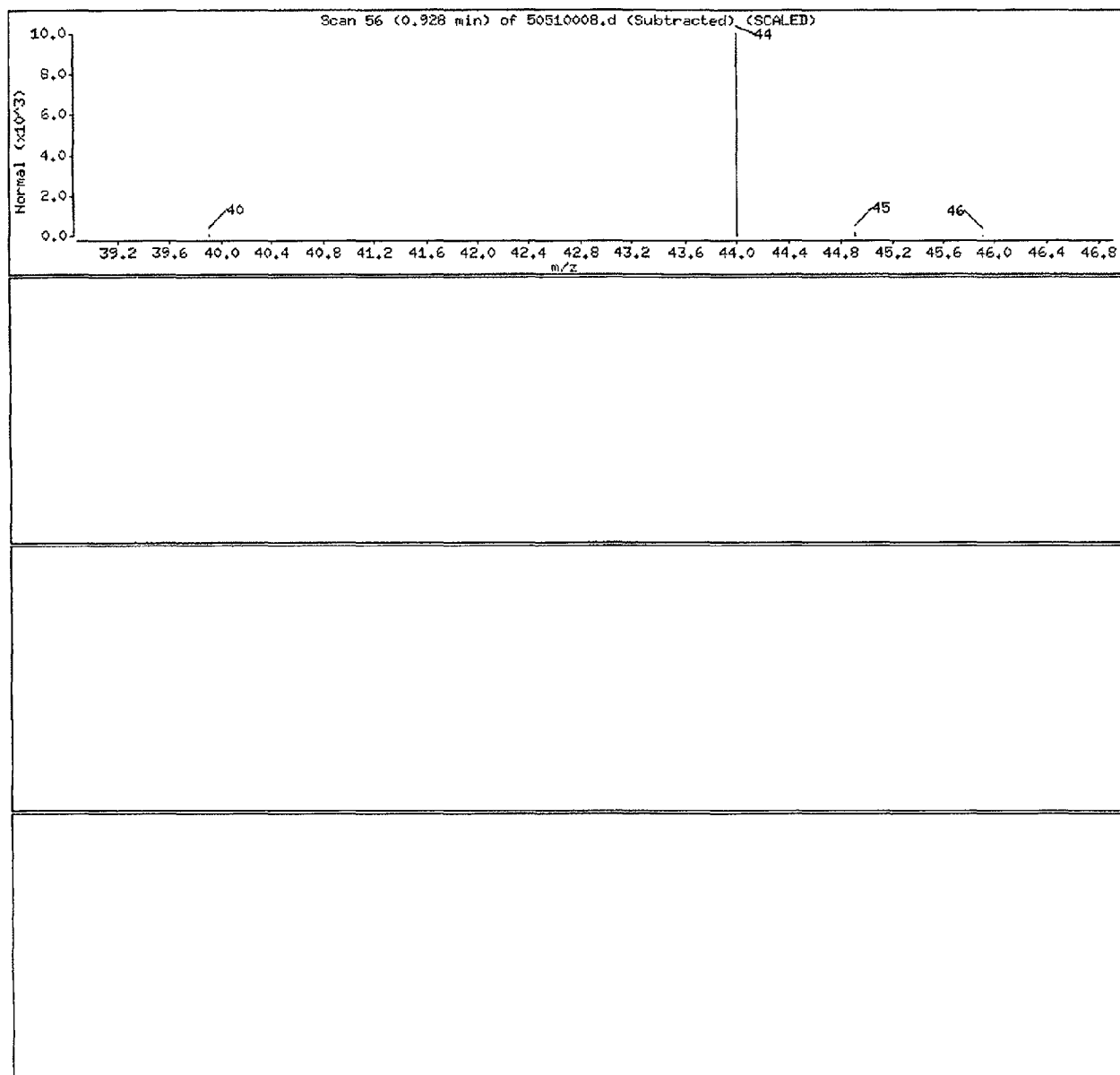
Weight

Unknown

0

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0



CABOT-EPA 006510

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

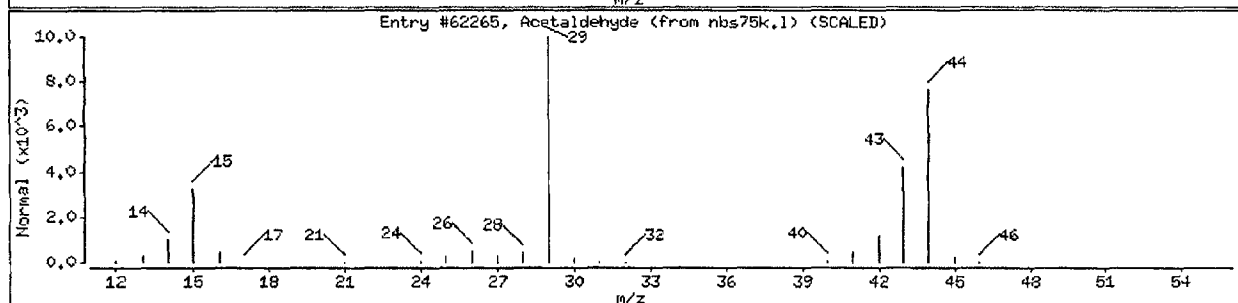
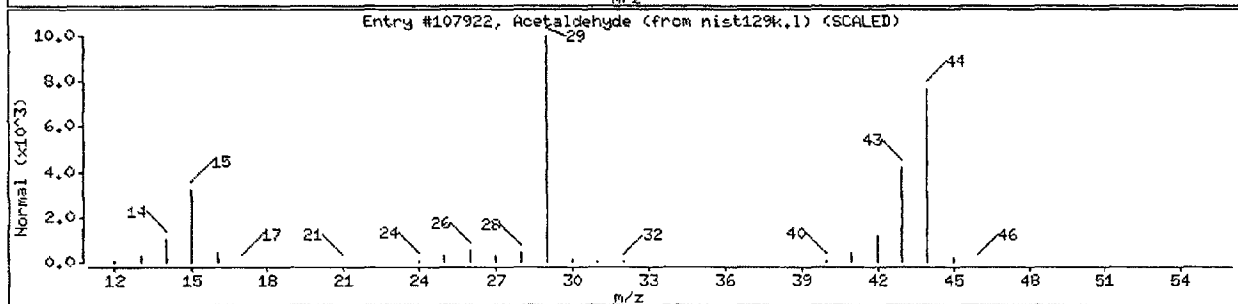
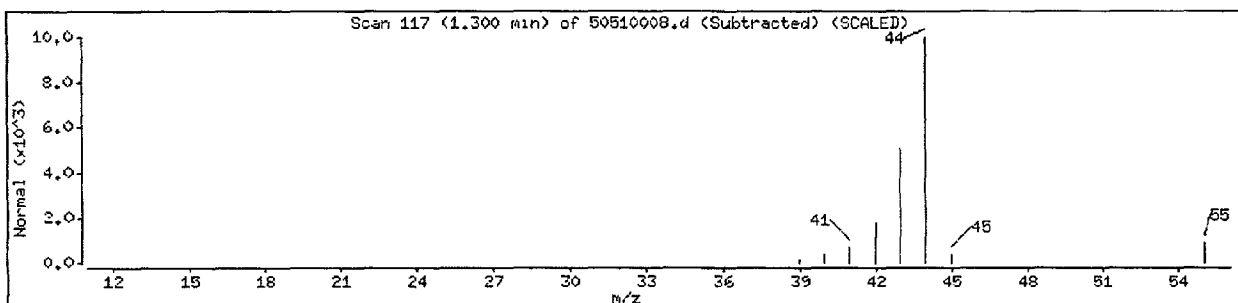
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Acetaldehyde	75-07-0	nist129k.1	107922	83	C2H4O	44
Acetaldehyde	75-07-0	nbs75k.1	62265	83	C2H4O	44



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.1

Sample Info: 3027140017,,6.98

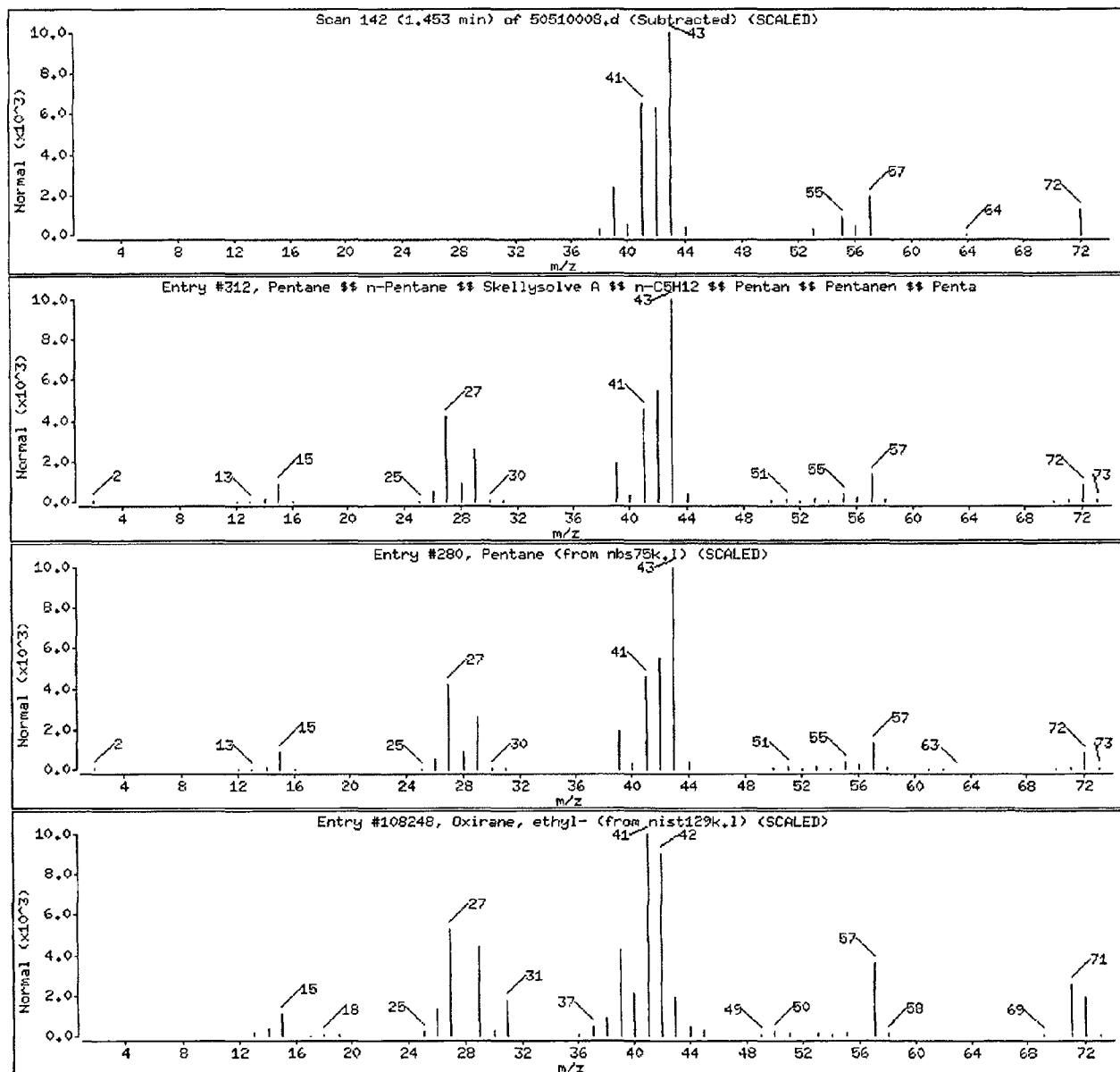
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane $\% \%$ n-Pentane $\% \%$ Skellysolve A $\% \%$	109-66-0	nist129k.1	312	90	C <sub>5</sub> H <sub>12</sub>	72
Pentane	109-66-0	nbs75k.1	280	90	C <sub>5</sub> H <sub>12</sub>	72
Oxirane, ethyl-	106-88-7	nist129k.1	108248	42	C <sub>4</sub> H <sub>8</sub> O	72



CABOT-EPA 006512

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

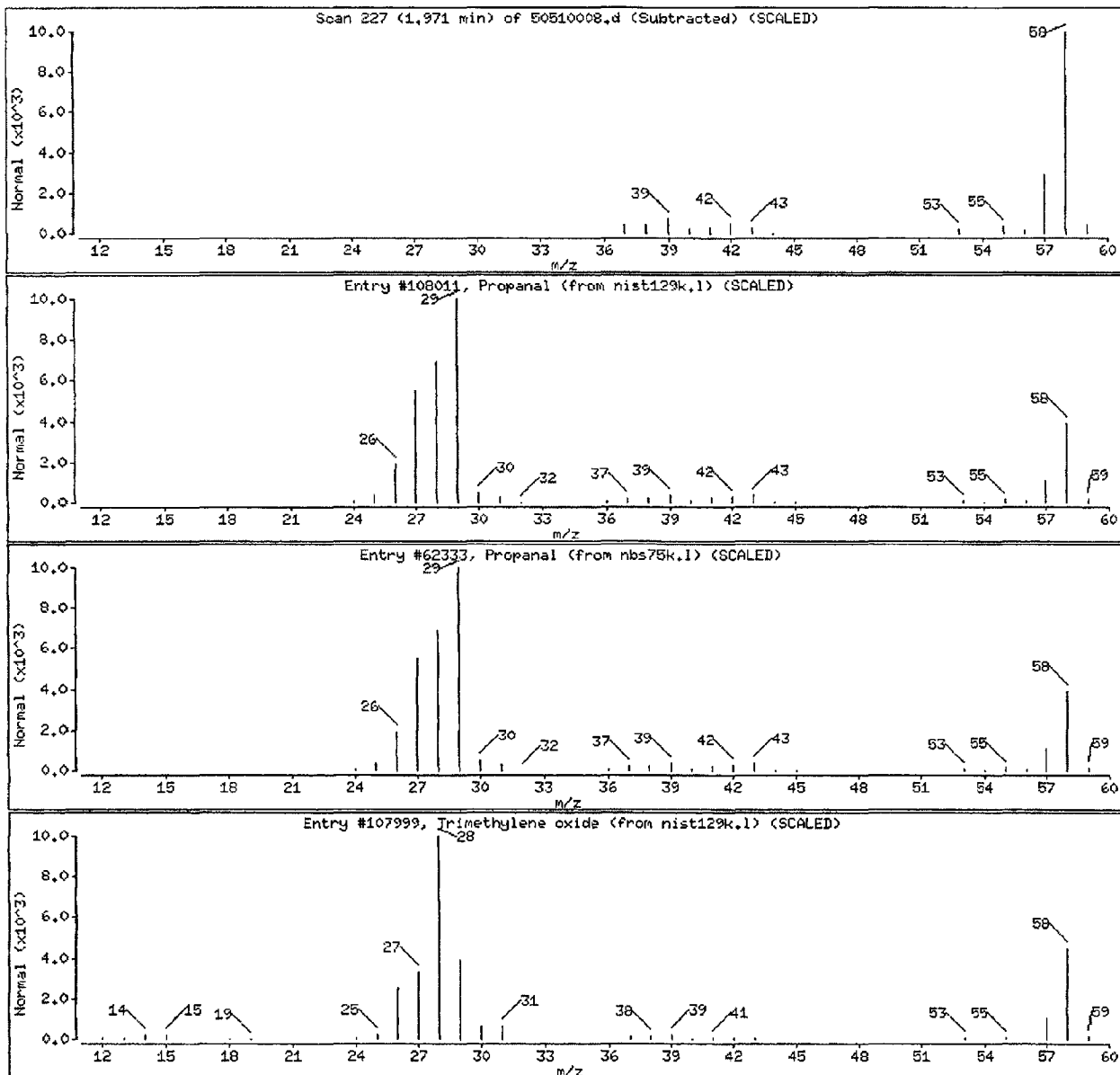
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propanal	123-38-6	nist129k.1	108011	78	C3H6O	58
Propanal	123-38-6	nbs75k.1	62333	78	C3H6O	58
Trimethylene oxide	503-30-0	nist129k.1	107999	56	C3H6O	58



CABOT-EPA 006513

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

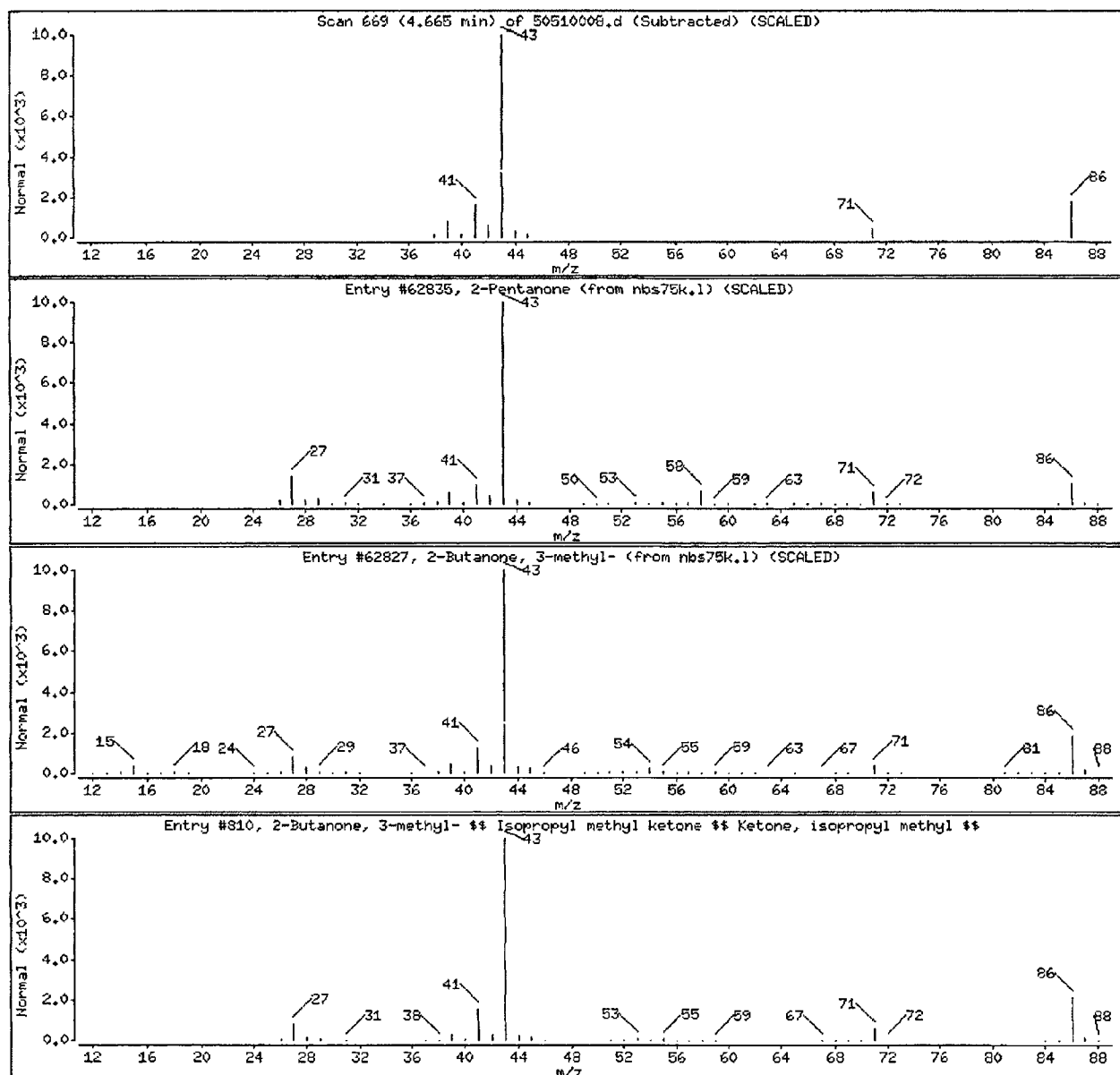
Purge Volume: 5.0

Operator: JEN

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2-Pentanone	107-87-9	nbs75k.1	62835	83	C5H10O	86
2-Butanone, 3-methyl-	563-80-4	nbs75k.1	62827	83	C5H10O	86
2-Butanone, 3-methyl- $\neq$ Isopropyl methyl	563-80-4	nist129k.1	810	74	C5H10O	86



CABOT-EPA 006514



Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

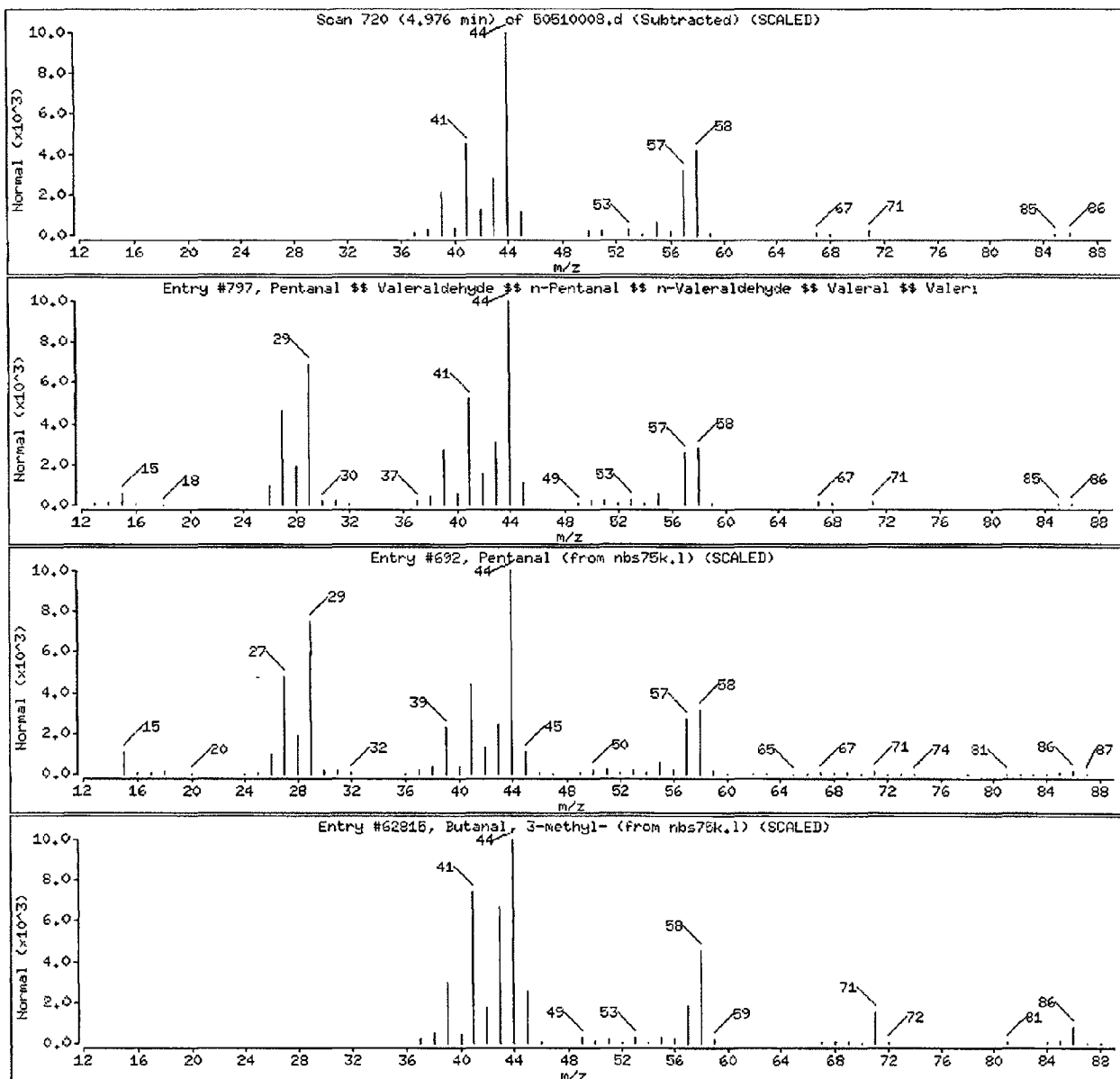
Purge Volume: 5.0

Operator: JEM

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentanal $\neq$ Valeraldehyde $\neq$ n-Pentanal	110-62-3	nist129k.1	797	91	C5H10O	86
Pentanal	110-62-3	nbs75k.1	692	90	C5H10O	86
Butanal, 3-methyl-	590-86-3	nbs75k.1	62815	78	C5H10O	86



CABOT-EPA 006515

Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

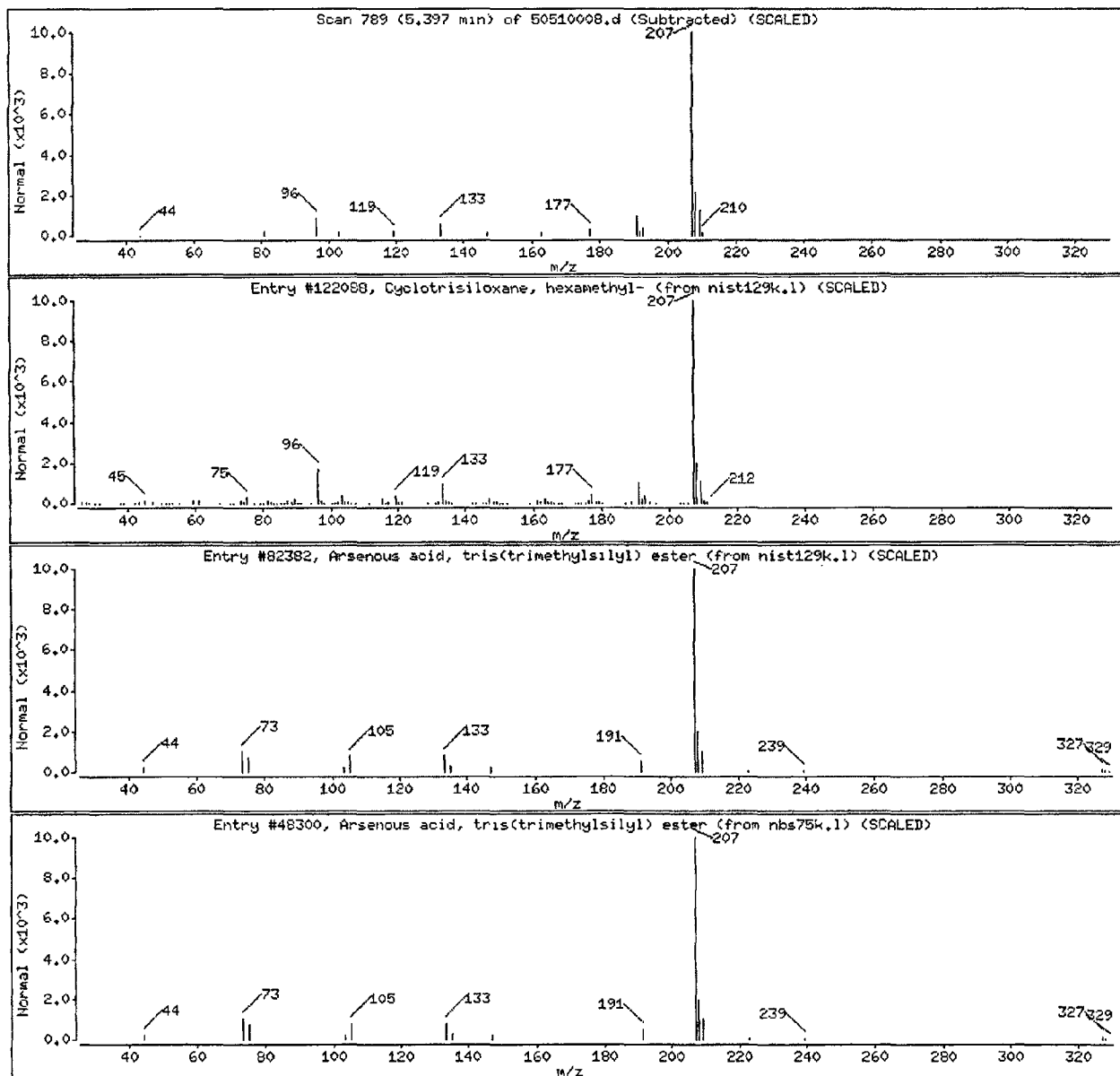
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed	541-05-9	nist129k.1	122088	83	C6H18O3Si3	222
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nist129k.1	82382	56	C9H27AsO3Si3	342
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nbs75k.1	48300	56	C9H27AsO3Si3	342



CABOT-EPA 006516

Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.1

Sample Info: 3027140017,,6.98

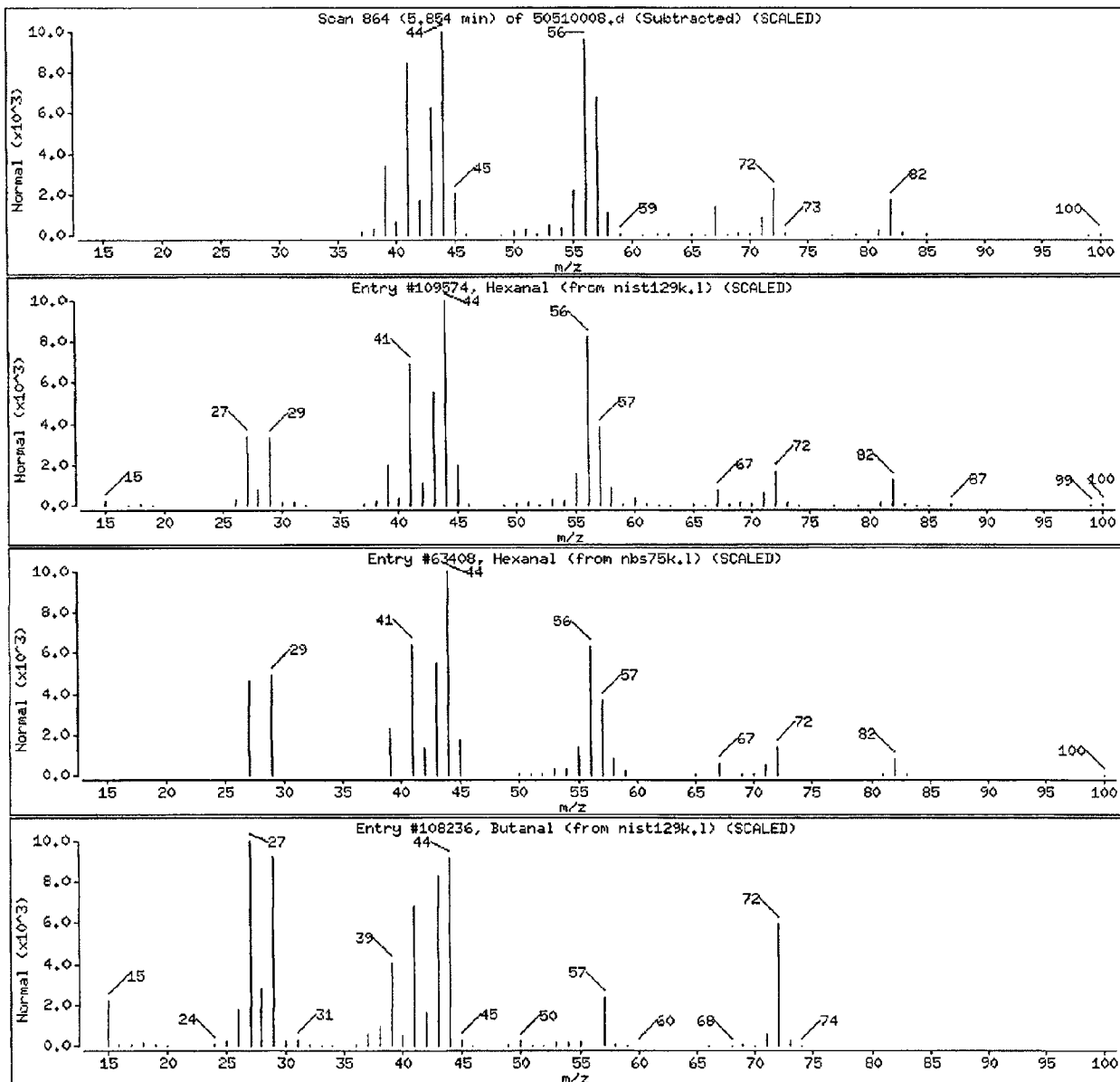
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nist129k.1	109574	91	C6H12O	100
Hexanal	66-25-1	nbs75k.1	63408	91	C6H12O	100
Butanal	123-72-8	nist129k.1	108236	35	C4H8O	72



CABOT-EPA 006517

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

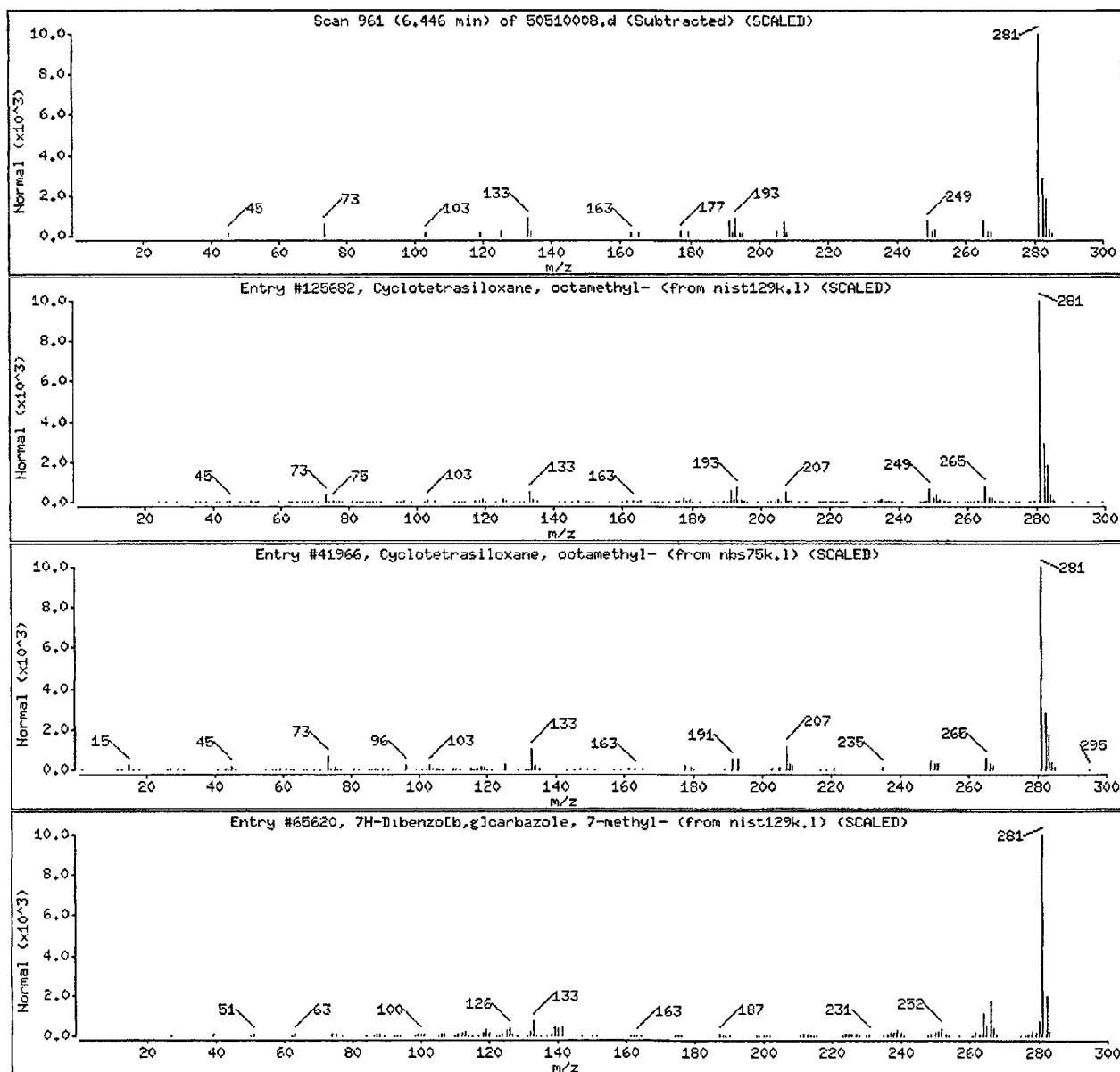
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed	556-67-2	nist129k.1	125682	91	C8H24O4Si4	296
Cyclotetrasiloxane, octamethyl-	556-67-2	nbs75k.1	41966	86	C8H24O4Si4	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	nist129k.1	65620	59	C21H15N	281



CABOT-EPA 006518

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140017,,6.98

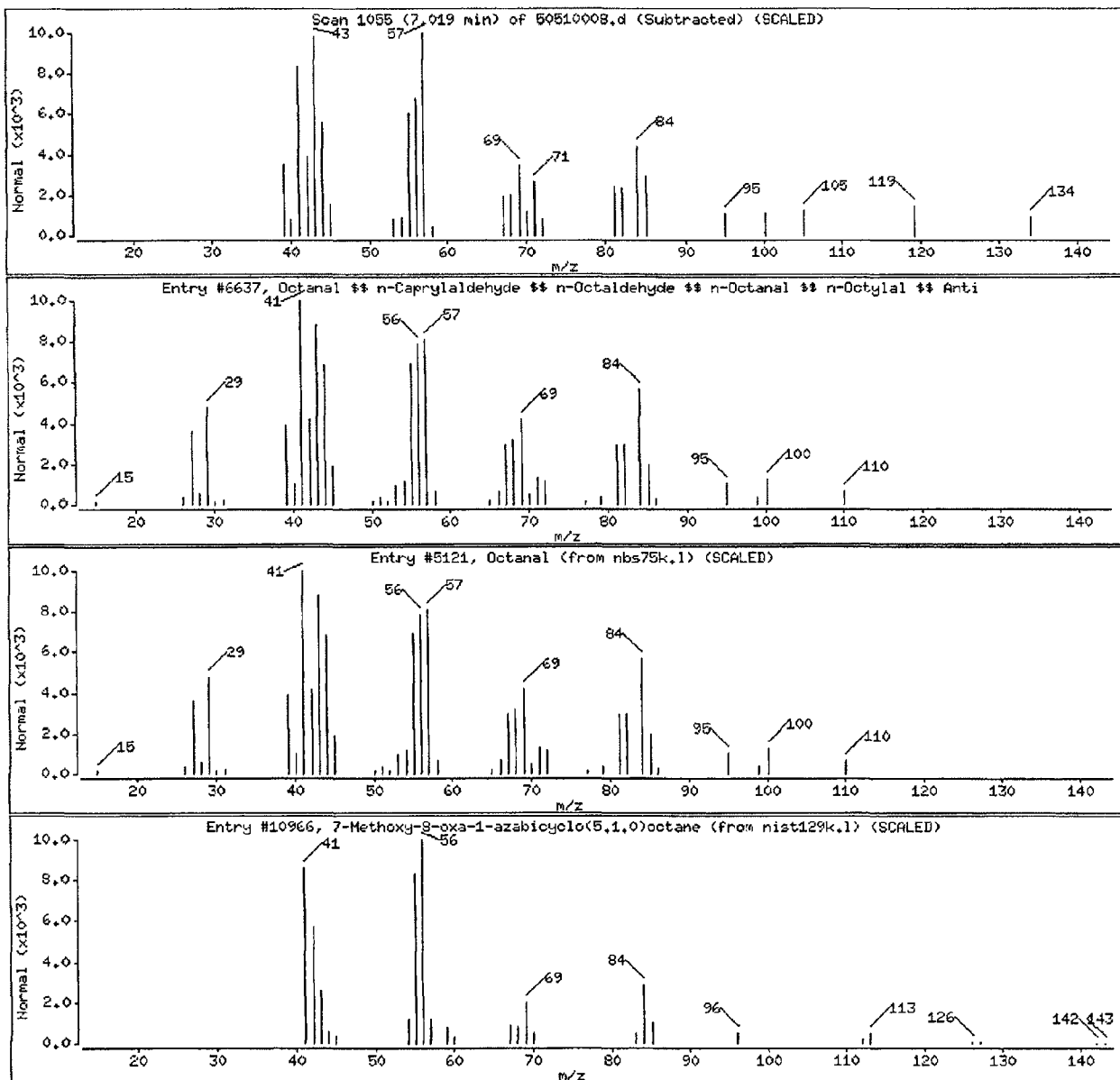
Purge Volume: 5.0

Operator: JEM

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Octanal $\% \%$ n-Caprylaldehyde $\% \%$ n-Octalal	124-13-0	nist129k.1	6637	83	C8H16O	128
Octanal	124-13-0	nbs75k.1	5121	83	C8H16O	128
7-Methoxy-8-oxa-1-azabicyclo(5.1.0)octan	35009-23-5	nist129k.1	10966	43	C7H13NO2	143



CABOT-EPA 006519

Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.1

Sample Info: 3027140017,,6.98

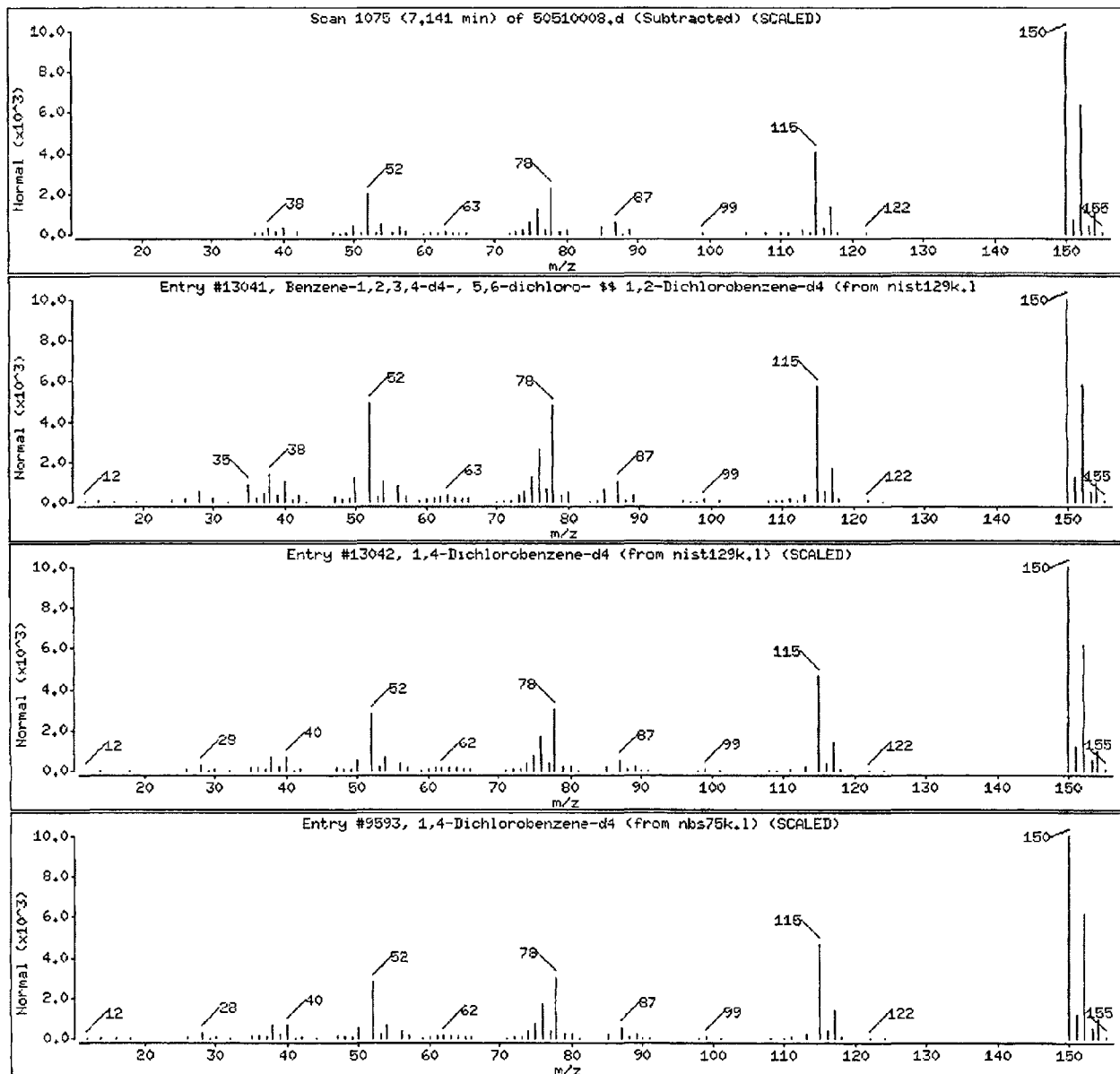
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene-1,2,3,4-d4-, 5,6-dichloro- ** 1,	2199-69-1	nist129k.1	13041	90	C6D4Cl2	150
1,4-Dichlorobenzene-d4	3855-82-1	nist129k.1	13042	90	C6D4Cl2	150
1,4-Dichlorobenzene-d4	3855-82-1	nbs75k.1	9593	90	C6Cl2D4	150



CABOT-EPA 006520



Data File: \\30wintarget\chem\30msv5.1\5100810.b\1.b\50510008.d

Date : 10-MAY-2010 12:07

Client ID:

Instrument: 30msv5.1

Sample Info: 3027140017,,6,98

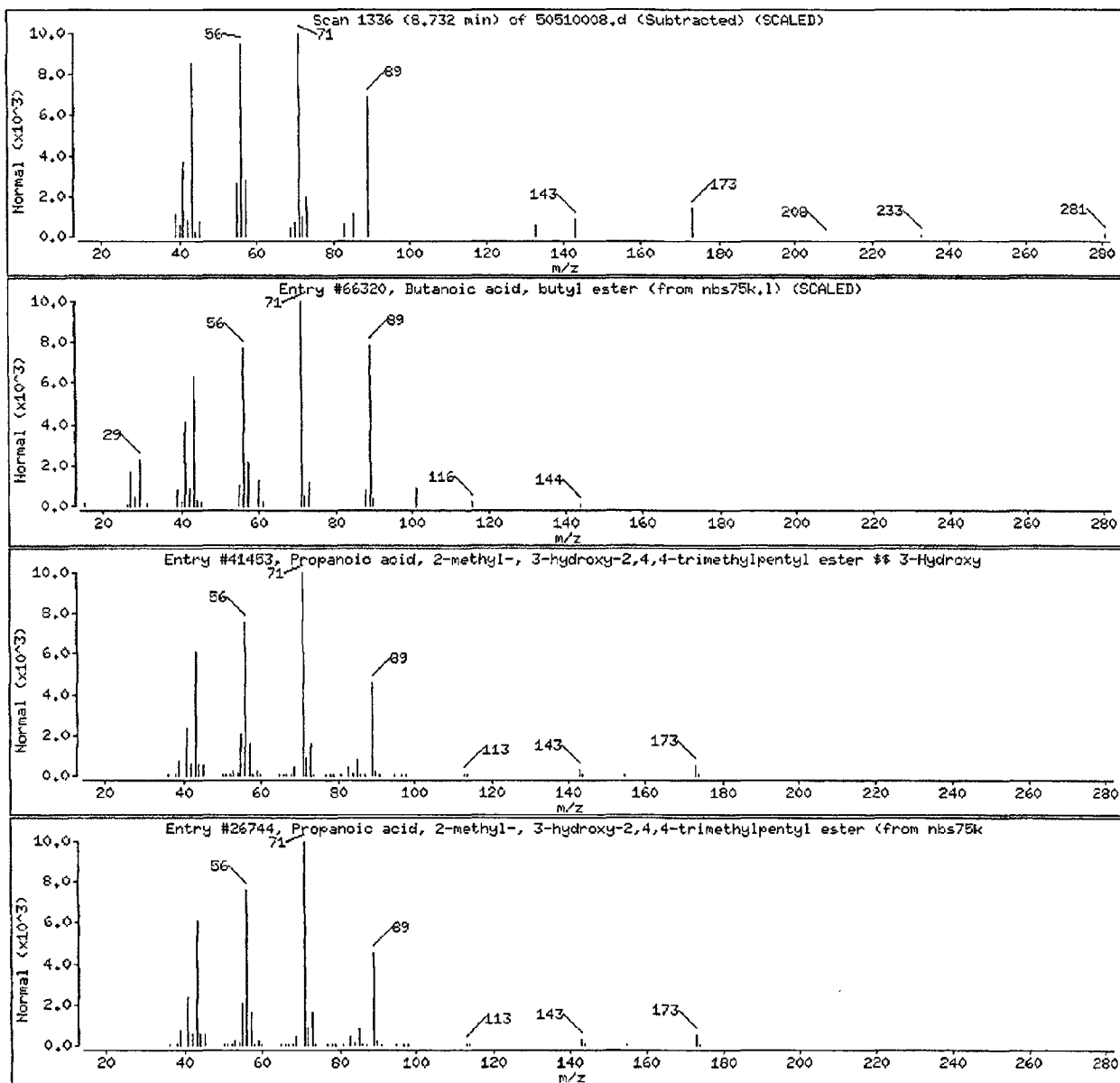
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Butanoic acid, butyl ester	109-21-7	nbs75k.1	66320	64	C8H16O2	144
Propanoic acid, 2-methyl-, 3-hydroxy-2,4	74367-34-3	nist129k.1	41453	53	C12H24O3	216
Propanoic acid, 2-methyl-, 3-hydroxy-2,4	74367-34-3	nbs75k.1	26744	53	C12H24O3	216



CABOT-EPA 006521

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-4

Lab Name: Contract: 2H/4H-4

Lab Code: Case No.: SAS No.: SDG No.: 3027140A

Matrix: (soil/water) SOIL Lab Sample ID: 3027140013

Sample wt/vol: 6.0 (g/mL) G Lab File ID: 10506016

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: not dec. 10 Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 9

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 0-00-0	N,N-DINITRO-1,3,5,7-TETRAZAB	0.92	45.7	NJ
2. 110-62-3	PENTANAL	5.07	6.00	NJ
3. 66-25-1	HEXANAL	5.95	32.1	NJ
4.	COLUMN BLEED	6.55	7.31	J
5. 1120-21-4	UNDECANE	7.10	3.07	NJ
6. 544-76-3	HEXADECANE	7.22	17.0	NJ
7. 112-40-3	DODECANE	7.52	2.80	NJ
8. 629-78-7	HEPTADECANE \$\$ N-HEPTADECANE	8.18	3.92	NJ
9. 629-59-4	TETRADECANE	8.28	5.14	NJ
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FORM I VOA-TIC

CABOT-EPA 006522

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4

Instrument: 30msv1.1

Sample Info: 3027140013,,5.98

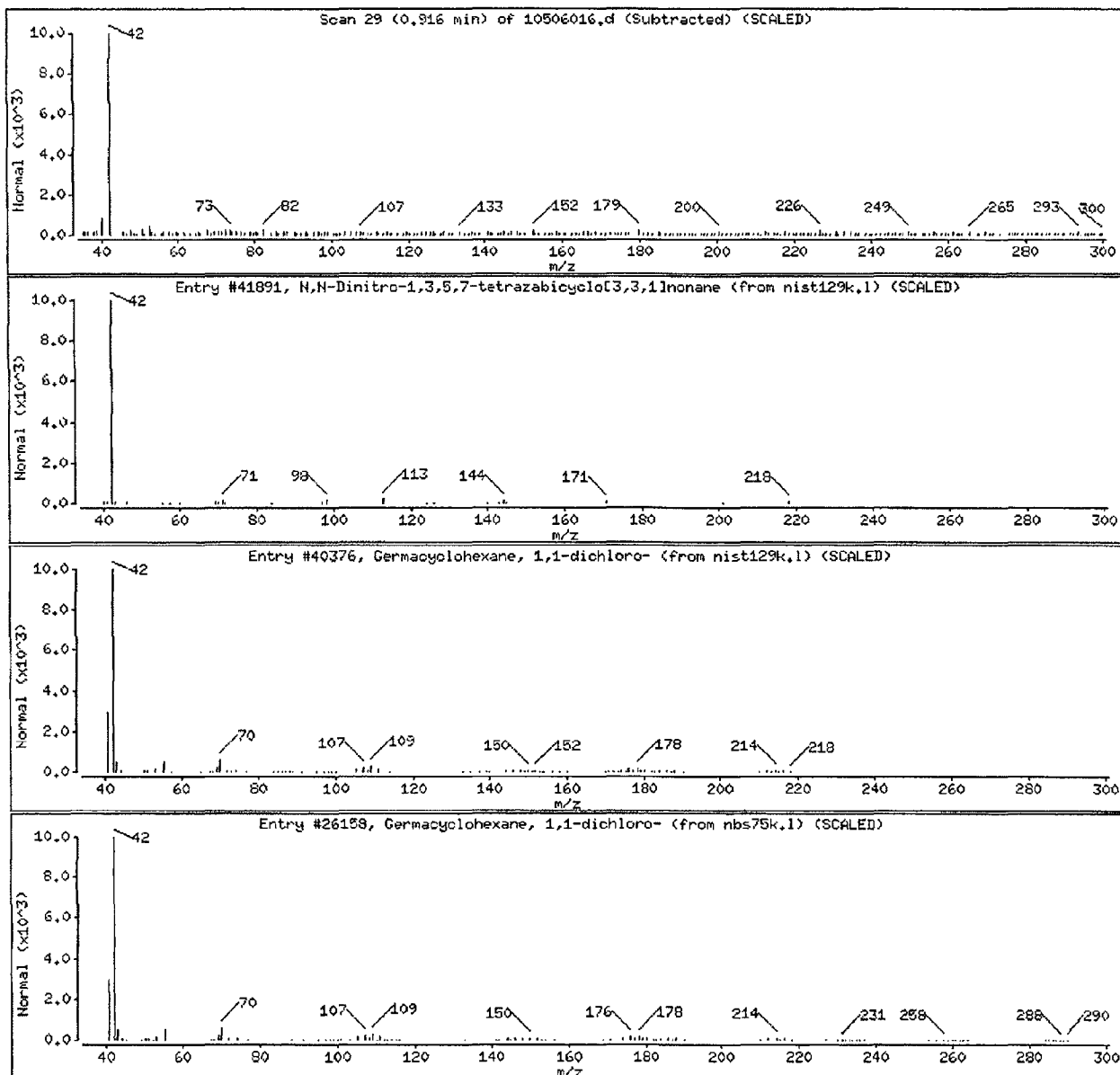
Purge Volume: 6.0

Operator: JEN

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
N,N-Dinitro-1,3,5,7-tetrazabicyclo[3,3,1]	0-00-0	nist129k.1	41891	72	C5H10N6O4	218
Germacynolohexane, 1,1-dichloro-	56438-28-9	nist129k.1	40376	72	C5H10Cl2Ge	214
Germacynolohexane, 1,1-dichloro-	56438-28-9	nbs75k.1	26158	72	C5H10Cl2Ge	214



CABOT-EPA 006523

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1,10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4

Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

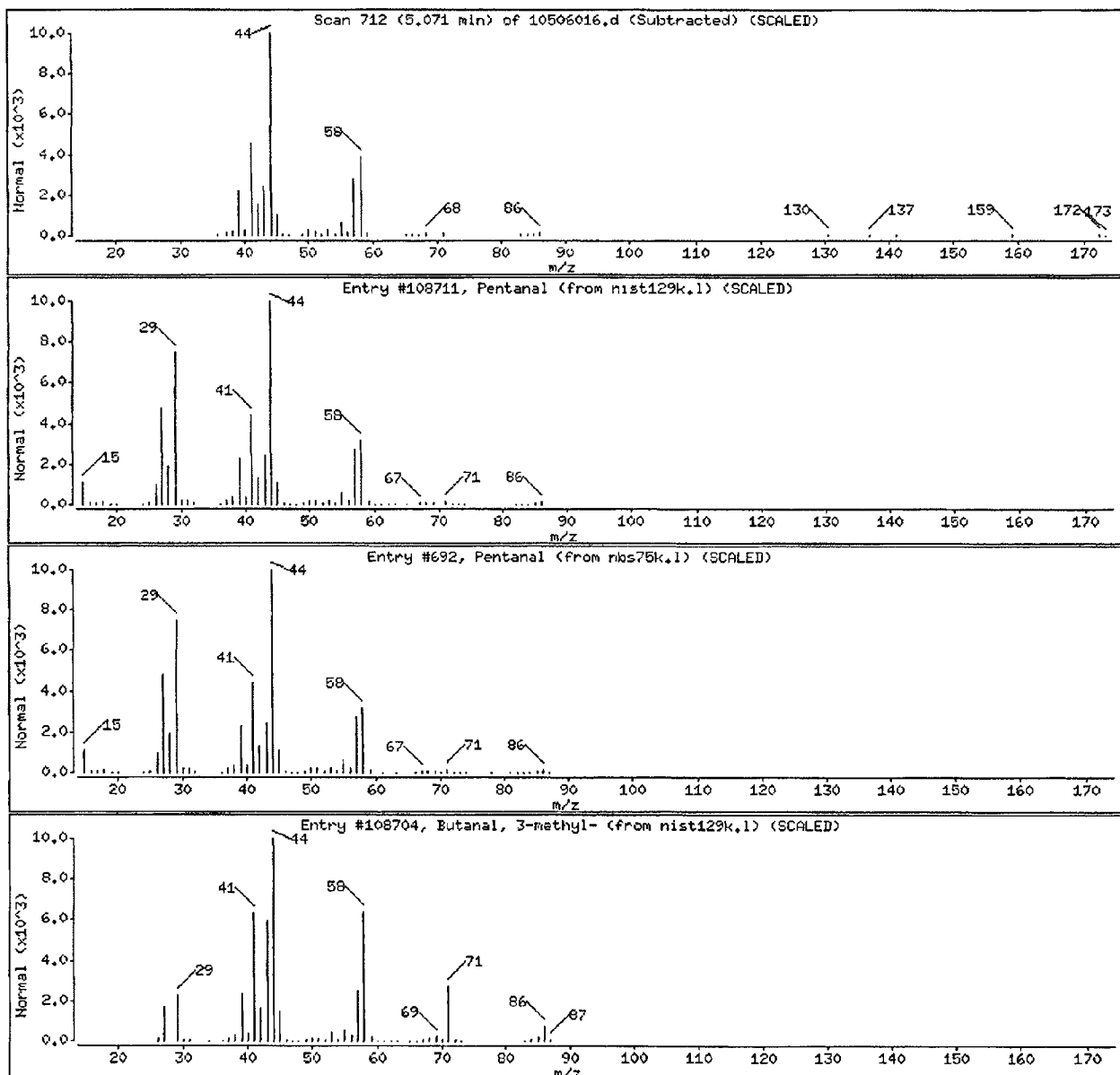
Purge Volume: 6.0

Operator: JEM

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentanal	110-62-3	nist129k.1	108711	90	C5H10O	86
Pentanal	110-62-3	nks75k.1	692	90	C5H10O	86
Butanal, 3-methyl-	590-86-3	nist129k.1	108704	83	C5H10O	86



CABOT-EPA 006524

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4

Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

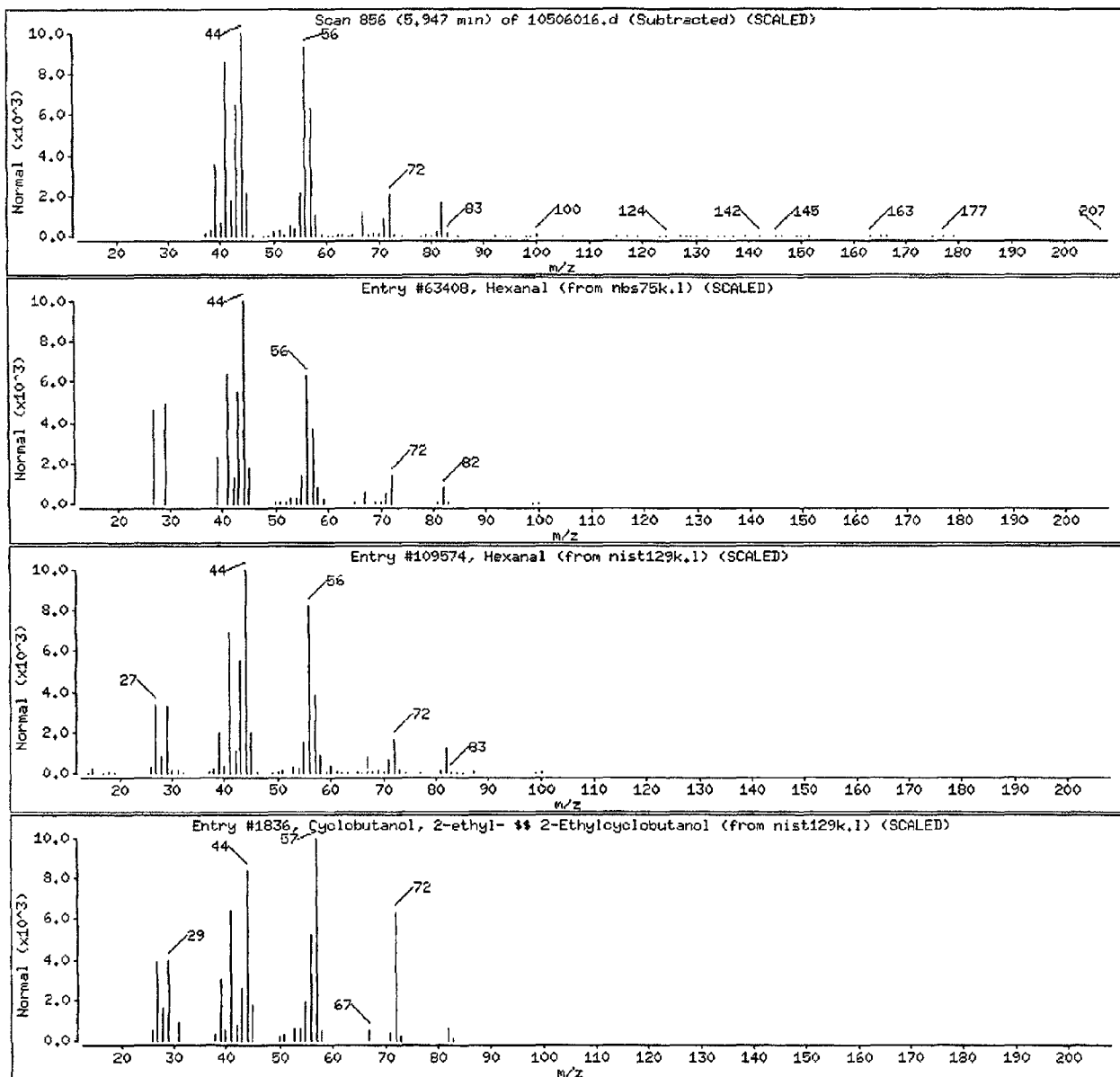
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nbs75k.1	63408	91	C6H12O	100
Hexanal	66-25-1	nist129k.1	109574	90	C6H12O	100
Cyclobutanol, 2-ethyl- ** 2-Ethylcyclobu	35301-43-0	nist129k.1	1836	42	C6H12O	100



CABOT-EPA 006525

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4

Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

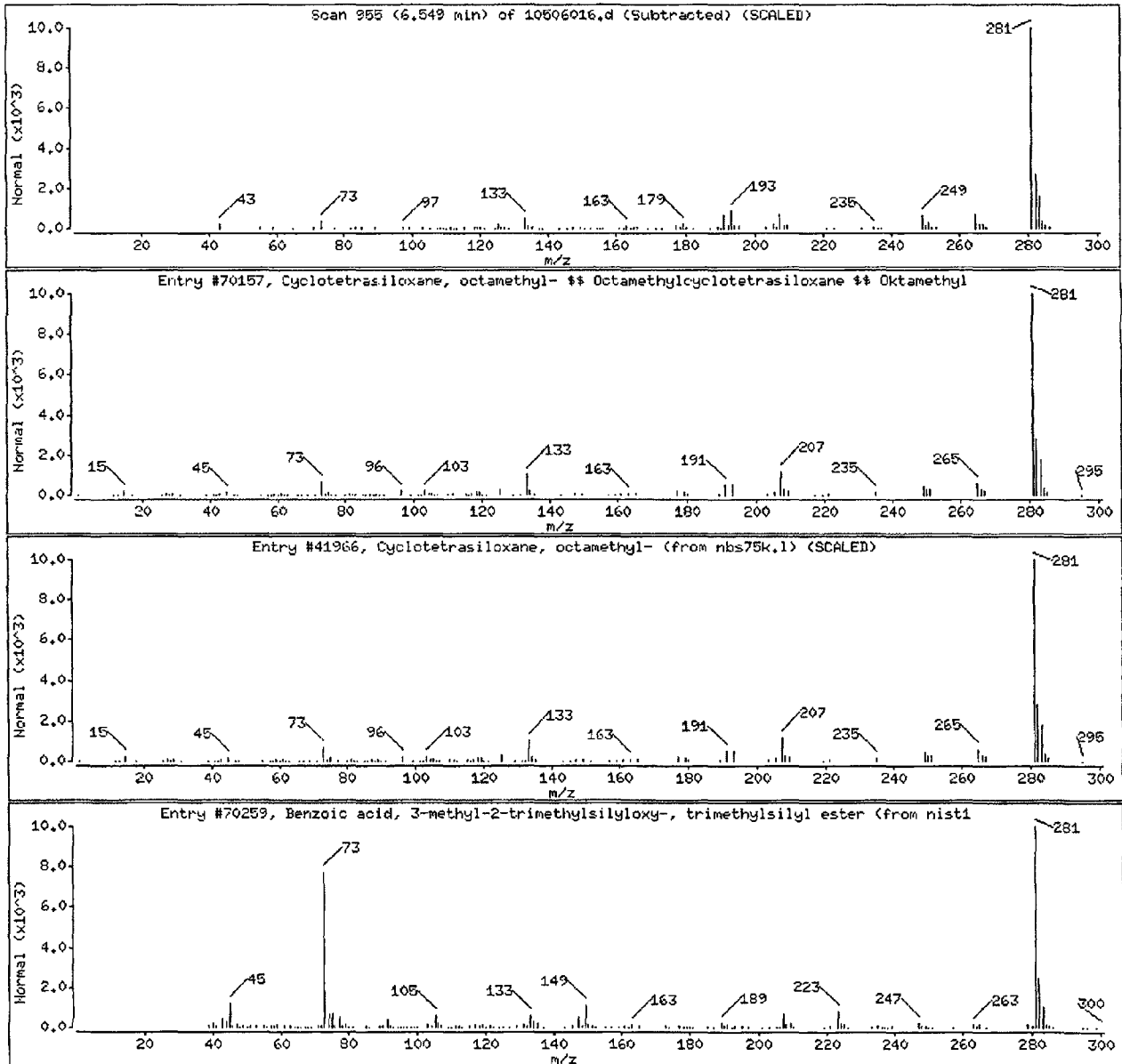
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotetrasiloxane, octamethyl- \$\$ Octan	556-67-2	nist129k.1	70157	86	C8H24O4Si4	296
Cyclotetrasiloxane, octamethyl-	556-67-2	nbs75k.1	41966	86	C8H24O4Si4	296
Benzoic acid, 3-methyl-2-trimethylsilylo	0-00-0	nist129k.1	70259	64	C14H24O3Si2	296



CABOT-EPA 006526



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4

Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

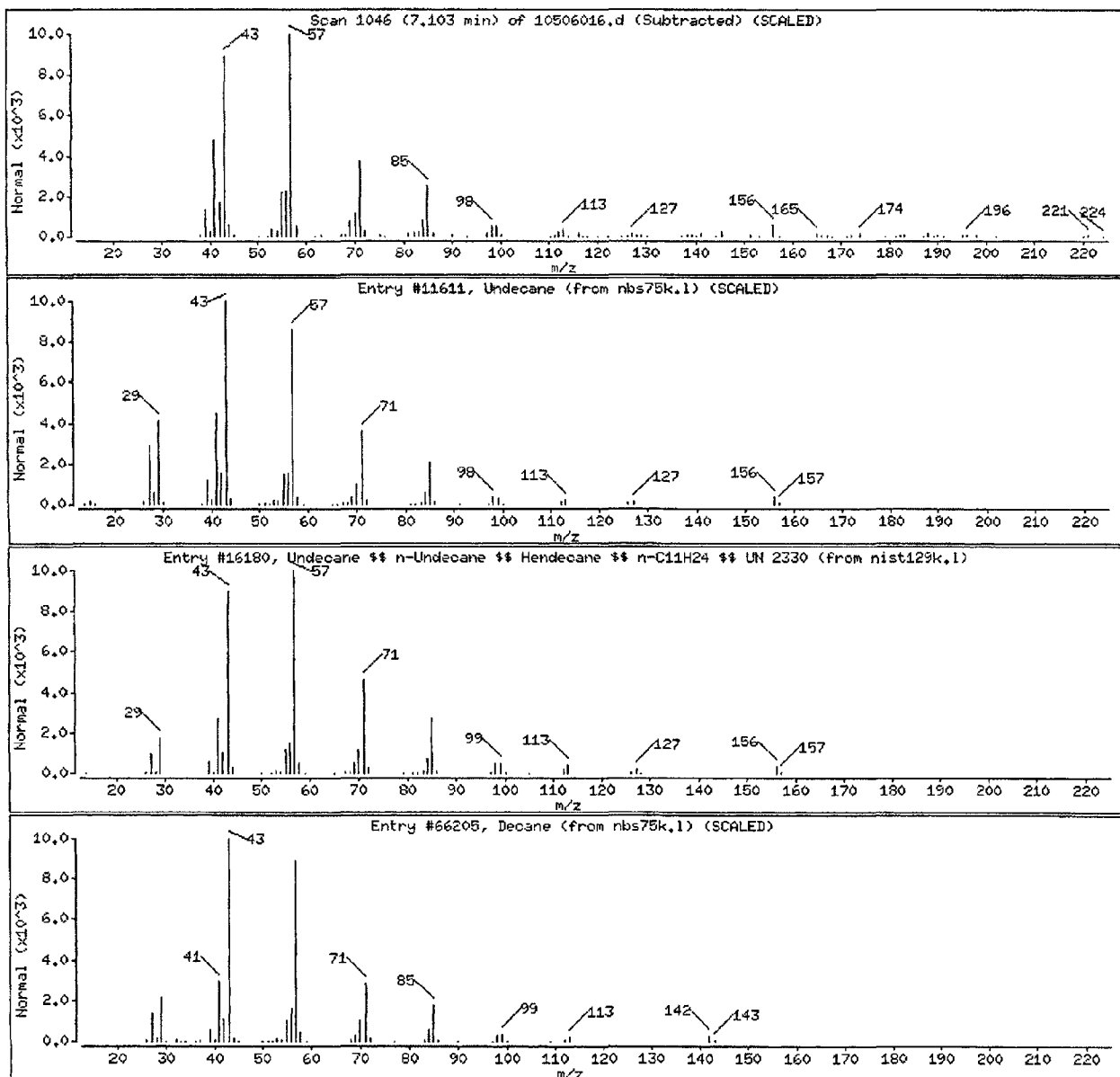
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nbs75k.1	11611	93	C <sub>11</sub> H <sub>24</sub>	156
Undecane \$\$ n-Undecane \$\$ Hendecane \$\$ n	1120-21-4	nist129k.1	16180	87	C <sub>11</sub> H <sub>24</sub>	156
Decane	124-18-5	nbs75k.1	66205	86	C <sub>10</sub> H <sub>22</sub>	142



CABOT-EPA 006527

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4

Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

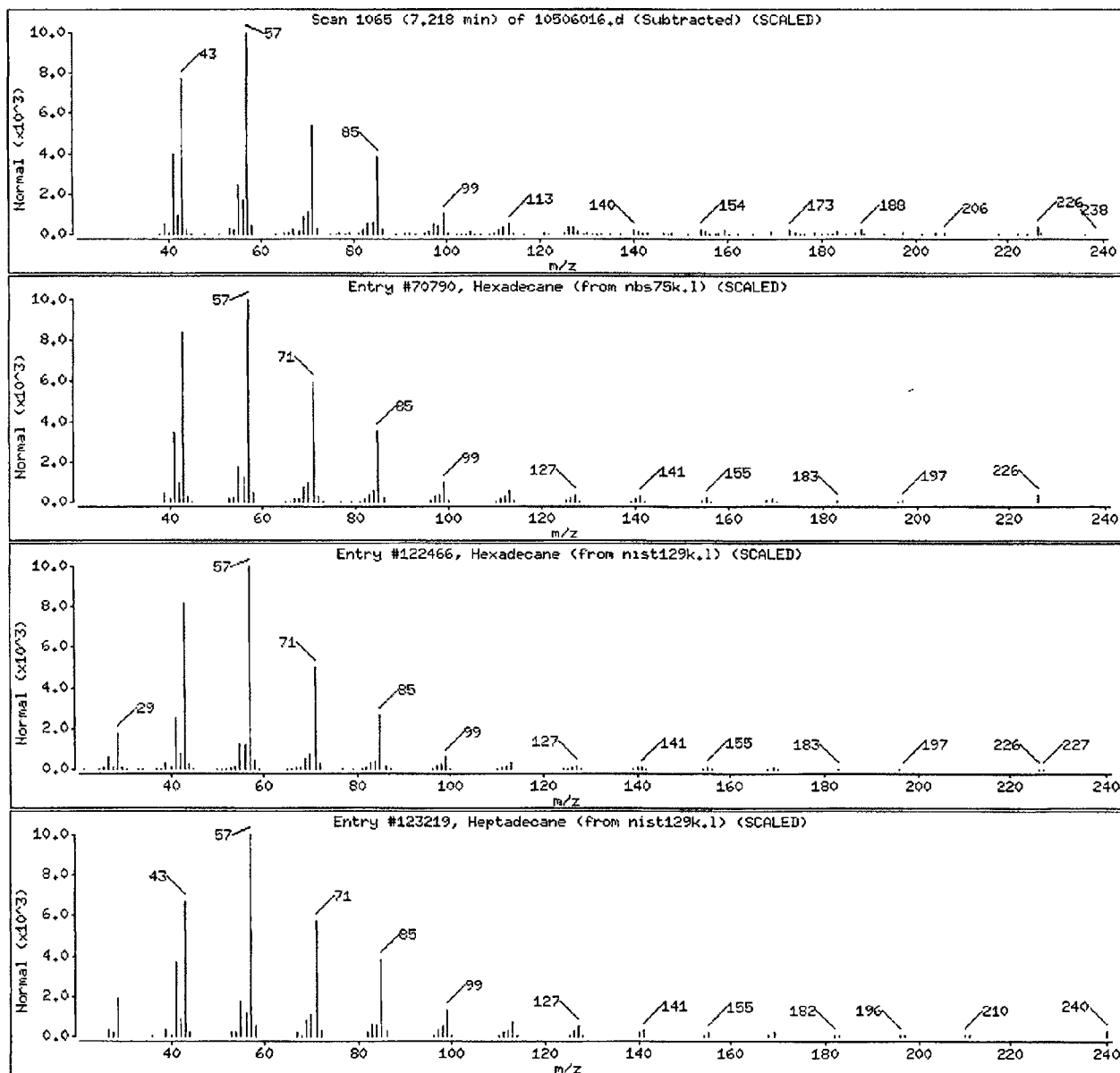
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexadecane	544-76-3	nbs75k.l	70790	98	C16H34	226
Hexadecane	544-76-3	nist129k.l	122466	97	C16H34	226
Heptadecane	629-78-7	nist129k.l	123219	90	C17H36	240



CABOT-EPA 006528

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4

Instrument: 30msv1.1

Sample Info: 3027140013,,5.98

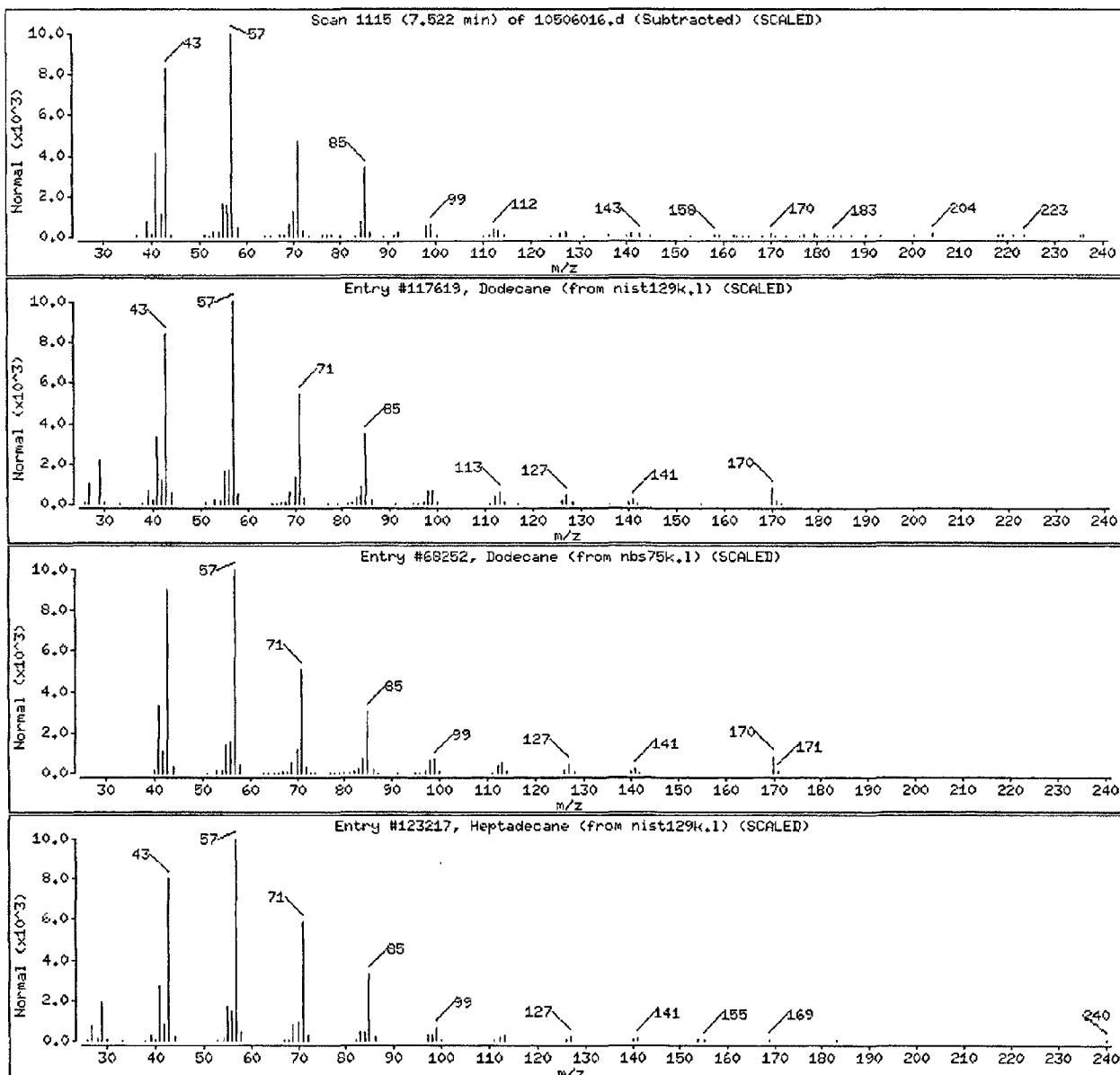
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane	112-40-3	nist129k.1	117619	95	C <sub>12</sub> H <sub>26</sub>	170
Dodecane	112-40-3	nbs75k.1	68252	91	C <sub>12</sub> H <sub>26</sub>	170
Heptadecane	629-78-7	nist129k.1	123217	90	C <sub>17</sub> H <sub>36</sub>	240



CABOT-EPA 006529

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4

Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

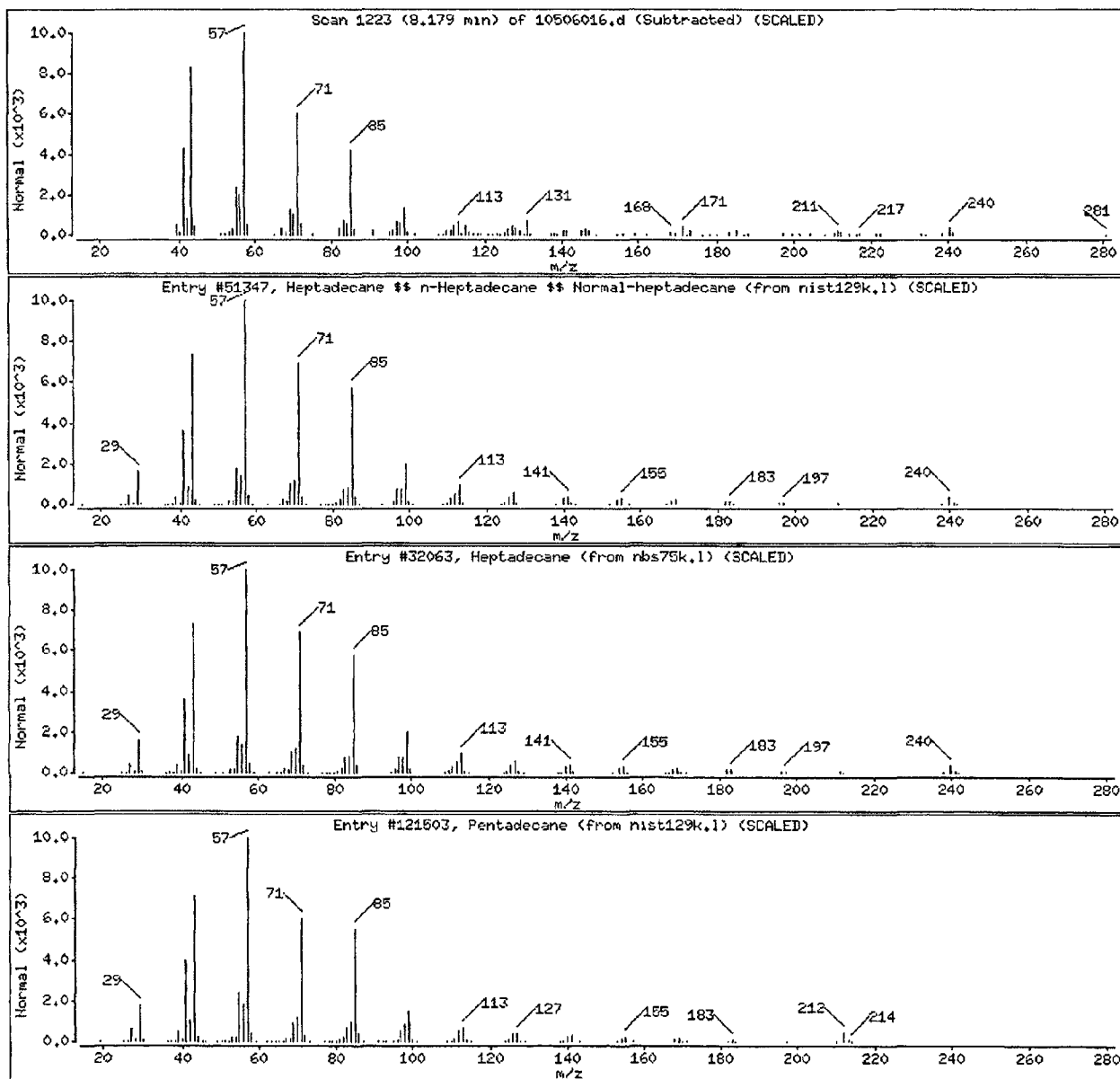
Purge Volume: 6.0

Operator: JEW

Column phase: RTX-WMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Heptadecane ## n-Heptadecane ## Normal-h	629-78-7	nist129k.1	51347	95	C17H36	240
Heptadecane	629-78-7	nbs75k.1	32063	95	C17H36	240
Pentadecane	629-62-9	nist129k.1	121503	93	C15H32	212



CABOT-EPA 006530

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.1\10506016.d

Date : 06-MAY-2010 17:30

Client ID: 2H/4H-4

Instrument: 30msv1.i

Sample Info: 3027140013,,5.98

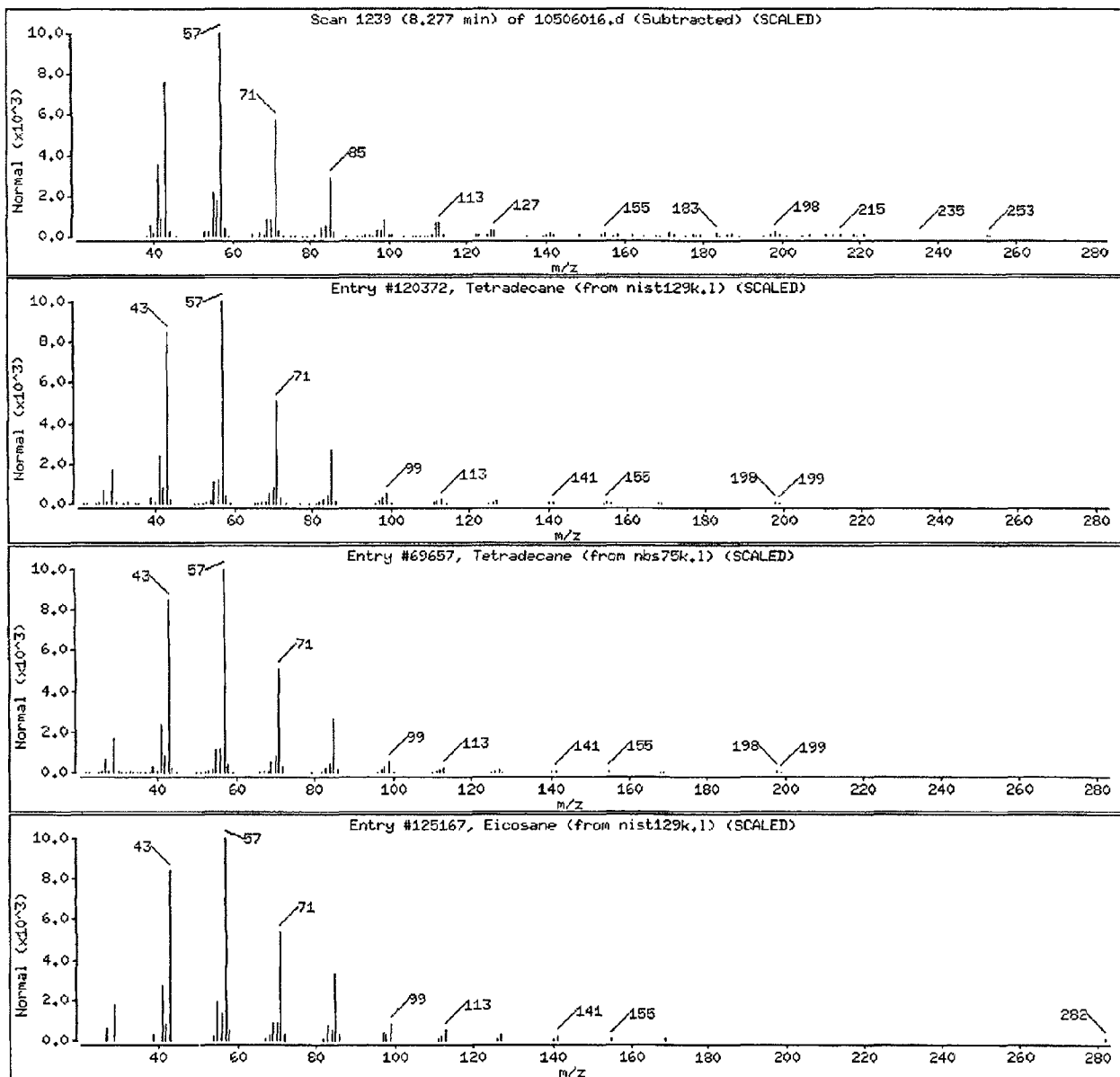
Purge Volume: 6.0

Operator: JEN

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetradecane	629-59-4	nist129k.1	120372	91	C14H30	198
Tetradecane	629-59-4	nbs75k.1	69657	91	C14H30	198
Eicosane	112-95-8	nist129k.1	125167	86	C20H42	282



CABOT-EPA 006531

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-5

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 3027140A  
Matrix: (soil/water) SOIL Lab Sample ID: 3027140015  
Sample wt/vol: 1.5 (g/mL) G Lab File ID: 10506017  
Level: (low/med) LOW Date Received: 05/05/10  
% Moisture: not dec. 8 Date Analyzed: 05/06/10  
GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0  
Soil Extract Volume: (mL) Soil Aliquot Volume: (uL)

Number TICs found: 6 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.92	132	J
2. 110-62-3	PENTANAL \$\$ VALERALDEHYDE \$\$	5.07	68.5	NJ
3.	COLUMN BLEED	5.51	38.1	J
4. 66-25-1	HEXANAL	5.94	367	NJ
5.	COLUMN BLEED	6.54	84.6	J
6.	COLUMN BLEED	7.29	29.4	J
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FORM I VOA-TIC

CABOT-EPA 006532



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506017.d

Date : 06-MAY-2010 17:54

Client ID: 2H/4H-5

Instrument: 30msv1.1

Sample Info: 3027140015,,1.50

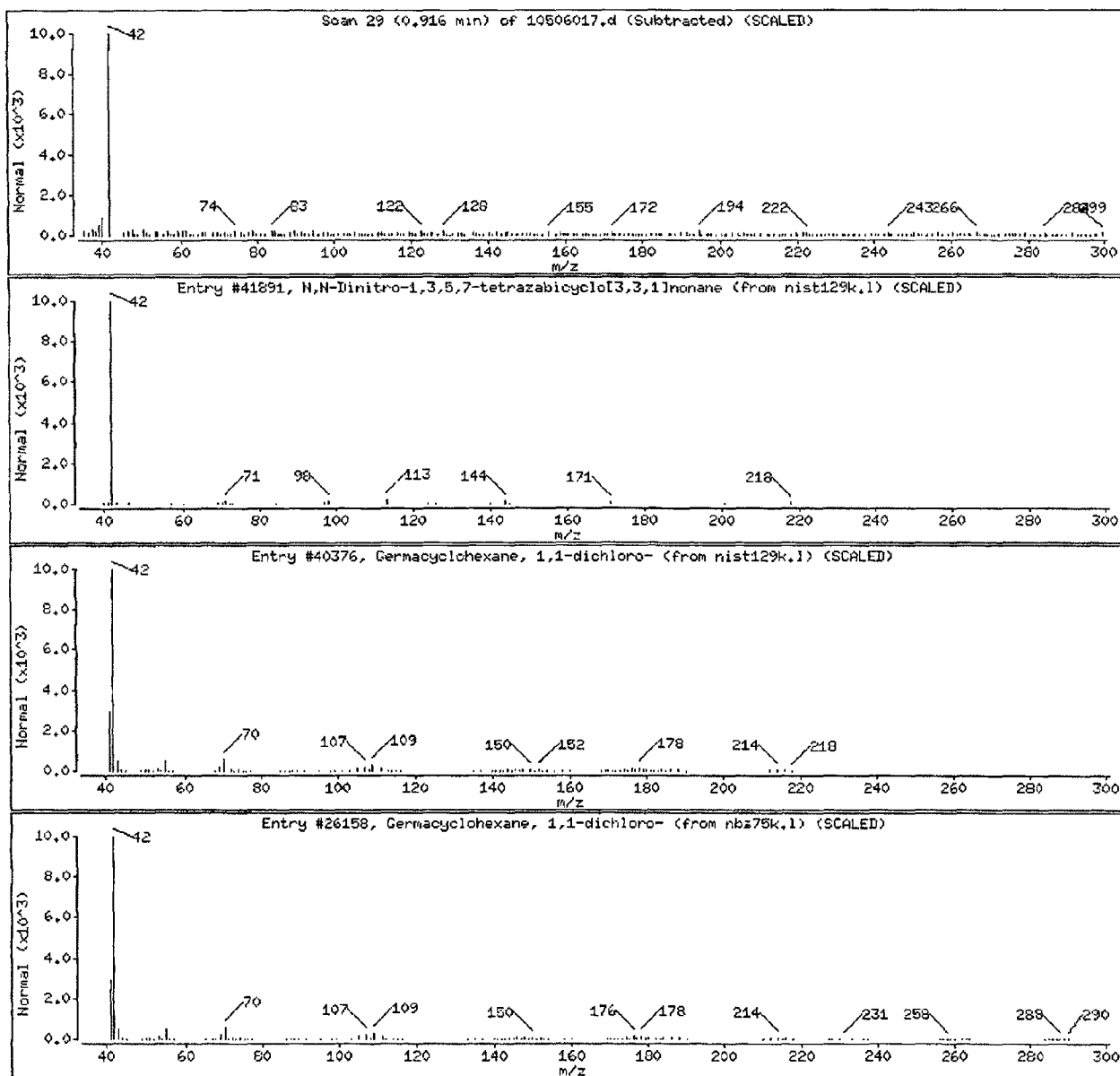
Purge Volume: 1.5

Operator: JEN

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
N,N-Dinitro-1,3,5,7-tetrazabicyclo[3,3,1]	0-00-0	nist129k.l	41891	64	C5H10N6O4	218
Germancyclhexane, 1,1-dichloro-	56438-28-9	nist129k.l	40376	64	C5H10Cl2Ge	214
Germancyclhexane, 1,1-dichloro-	56438-28-9	nbs75k.l	26158	64	C5H10Cl2Ge	214



CABOT-EPA 006533

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1,10506017.d

Date : 06-MAY-2010 17:54

Client ID: 2H/4H-5

Instrument: 30msv1.1

Sample Info: 3027140015,,1.50

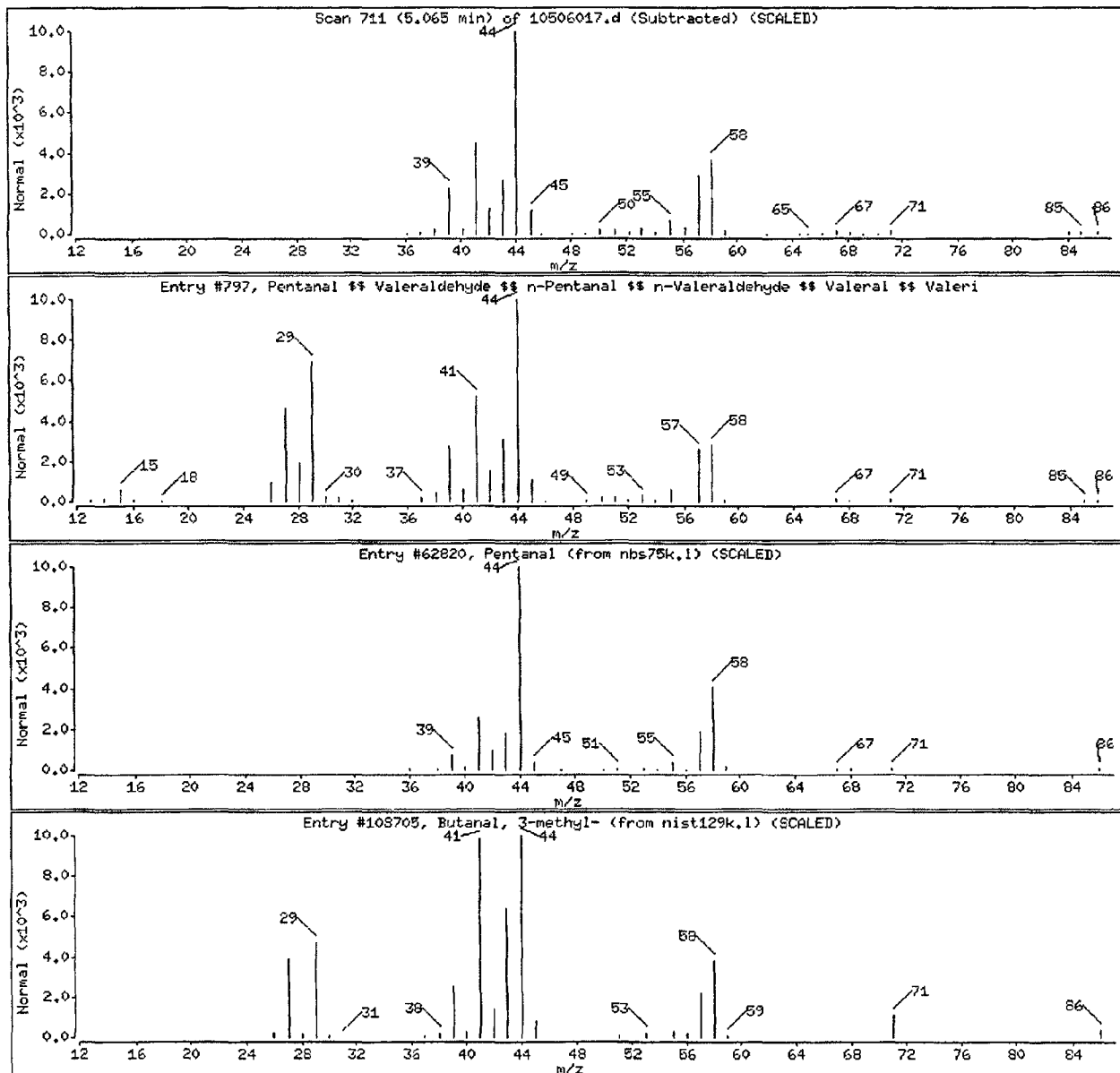
Purge Volume: 1.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentanal 1% Valeraldehyde 1% n-Pentanal	110-62-3	nist129k.1	797	90	C5H10O	86
Pentanal	110-62-3	nbs75k.1	62820	86	C5H10O	86
Butanal, 3-methyl-	590-86-3	nist129k.1	108705	72	C5H10O	86



CABOT-EPA 006534

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506017.d

Date : 06-MAY-2010 17:54

Client ID: 2H/4H-5

Instrument: 30msv1.i

Sample Info: 3027140015,,1.50

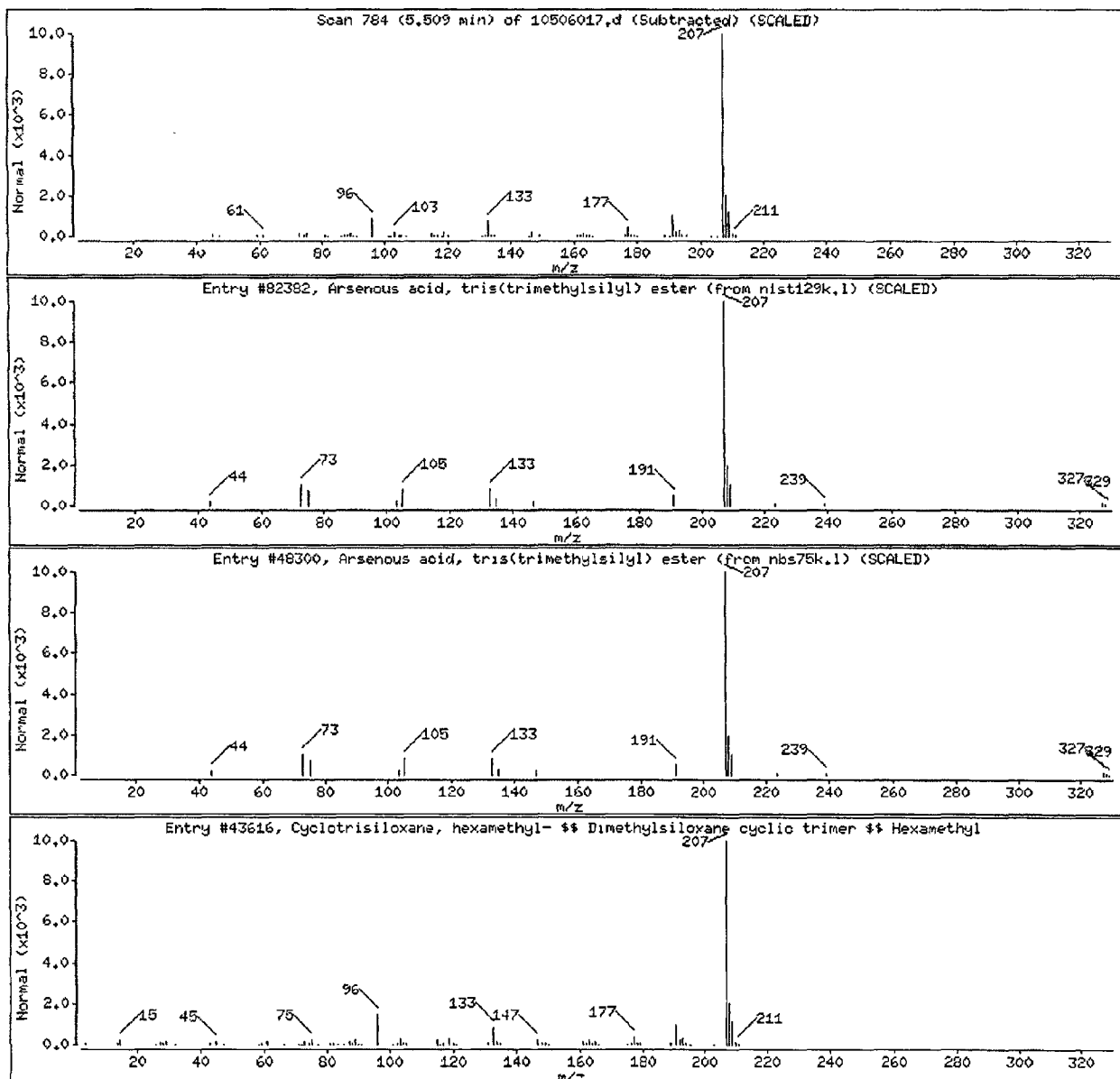
Purge Volume: 1.5

Operator: JEN

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nist129k.1	82382	56	C9H27AsO3Si3	342
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nbs75k.1	48300	56	C9H27AsO3Si3	342
Cyclotrisiloxane, hexamethyl- % Dimethyl	541-05-9	nist129k.1	43616	49	C6H18O3Si3	222



CABOT-EPA 006535

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506017.d

Date : 06-MAY-2010 17:54

Client ID: 2H/4H-5

Instrument: 30msv1.i

Sample Info: 3027140015,,1.50

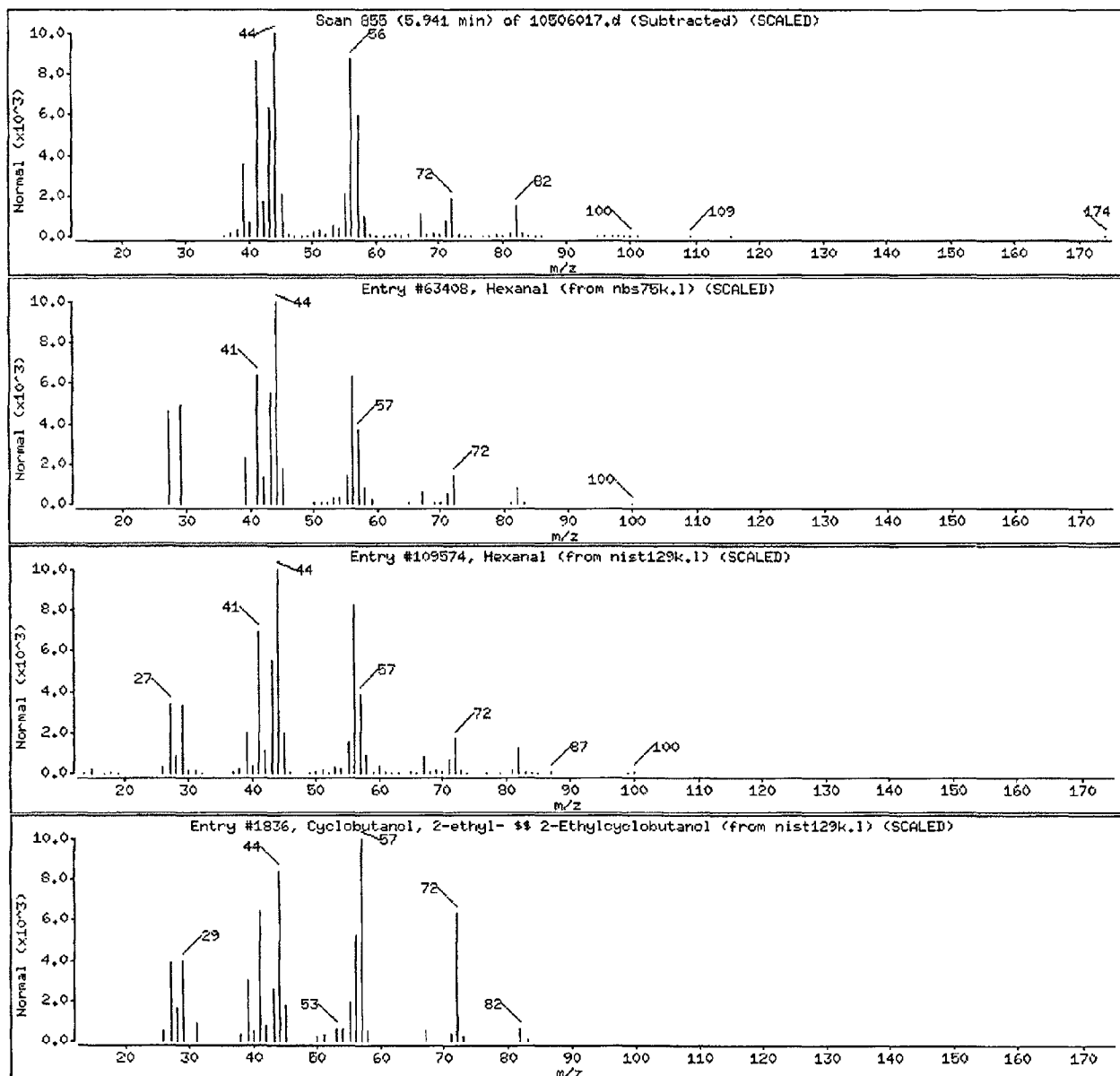
Purge Volume: 1.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nbs75k.1	63408	91	C6H12O	100
Hexanal	66-25-1	nist129k.1	109574	90	C6H12O	100
Cyclobutanol, 2-ethyl- ** 2-Ethylcyclobu	35301-43-0	nist129k.1	1836	64	C6H12O	100



CABOT-EPA 006536

Data File: \\30wintarget\chem\30msvi.i\1050610.b\1.b\10506017.d

Date : 06-MAY-2010 17:54

Client ID: 2H/4H-5

Instrument: 30msvi.i

Sample Info: 3027140015,,1,50

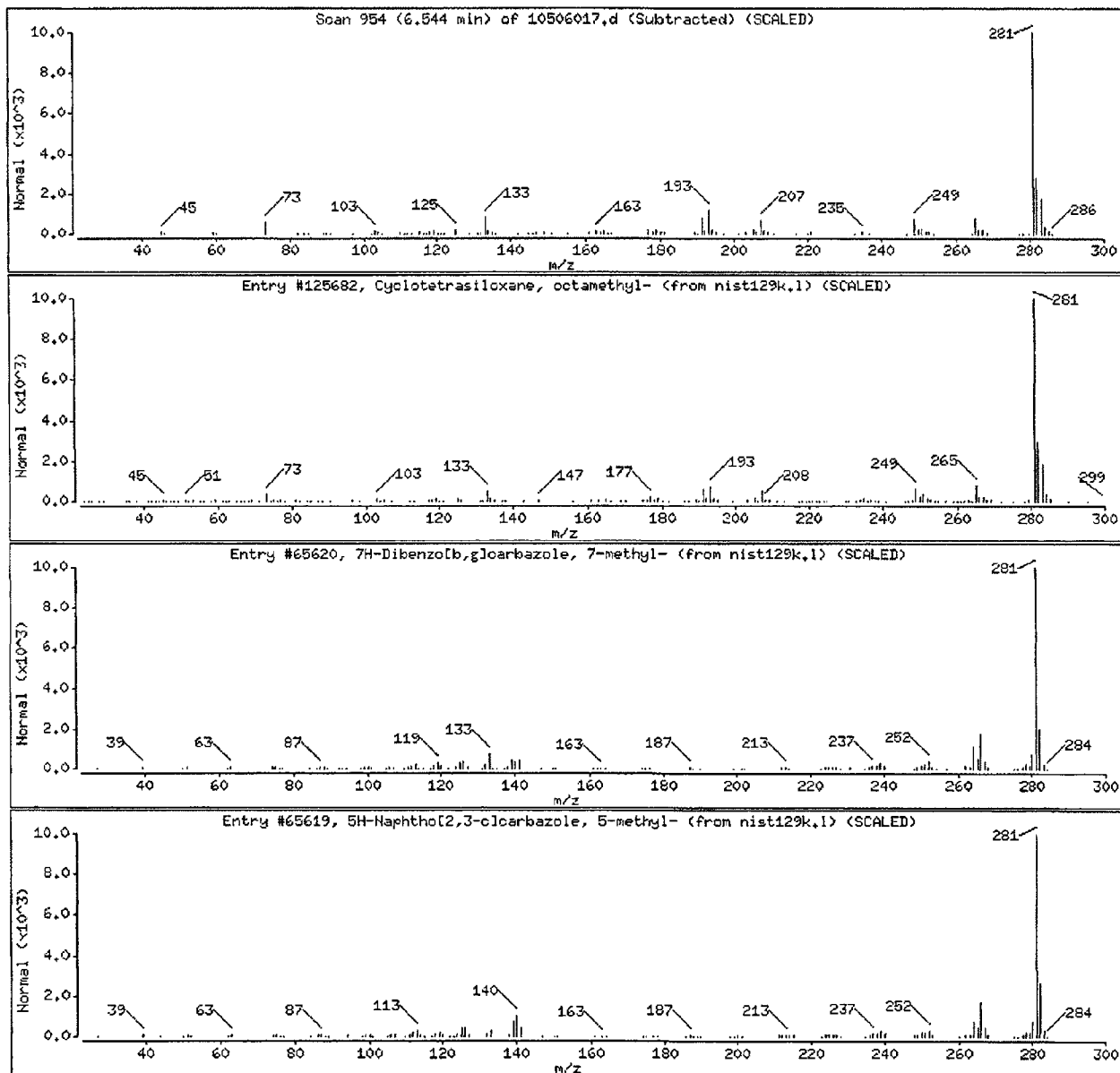
Purge Volume: 1.5

Operator: JEN

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Height
column bleed						
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k.1	125682	91	C8H24O4Si4	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	nist129k.1	65620	59	C21H15N	281
5H-Naphtho[2,3-c]carbazole, 5-methyl-	100025-44-3	nist129k.1	65619	45	C21H15N	281



CABOT-EPA 006537

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506017.d

Date : 06-MAY-2010 17:54

Client ID: 2H/4H-5

Instrument: 30msv1.i

Sample Info: 3027140015,,1.50

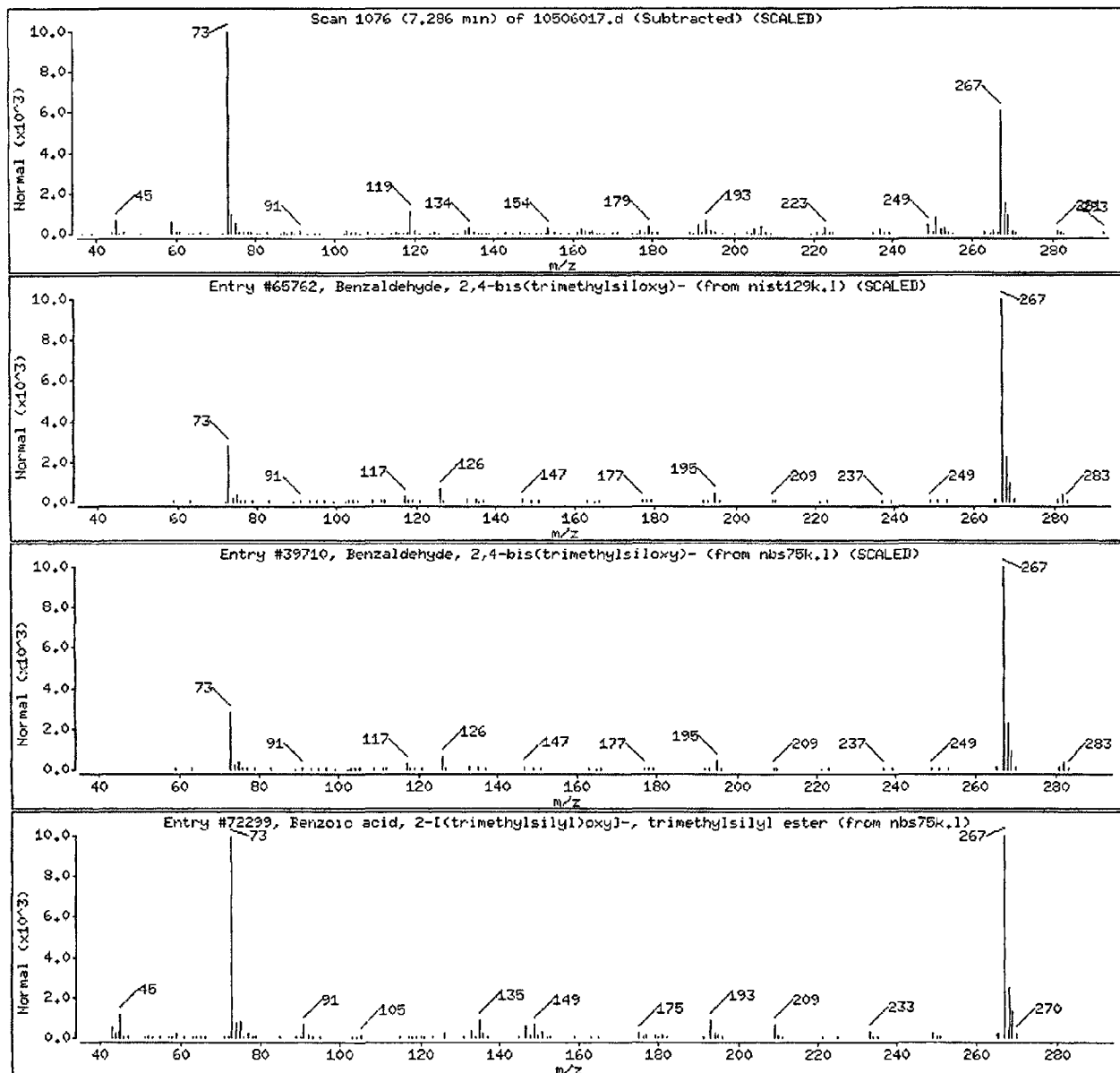
Purge Volume: 1.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Benzaldehyde, 2,4-bis(trimethylsiloxy)-	33617-38-8	nist129k.l	65762	64	C <sub>13</sub> H <sub>22</sub> O <sub>3</sub> Si <sub>2</sub>	282
Benzaldehyde, 2,4-bis(trimethylsiloxy)-	33617-38-8	nbs75k.l	39710	64	C <sub>13</sub> H <sub>22</sub> O <sub>3</sub> Si <sub>2</sub>	282
Benzoic acid, 2-[trimethylsilyloxy]-,	3789-85-3	nbs75k.l	72299	59	C <sub>13</sub> H <sub>22</sub> O <sub>3</sub> Si <sub>2</sub>	282



CABOT-EPA 006538



FORM 1 URS Corporation - PG05-MAY-2010 13:40  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-6

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 3027140A  
Matrix: (soil/water) SOIL Lab Sample ID: 3027140019  
Sample wt/vol: 6.5 (g/mL) G Lab File ID: 10506019  
Level: (low/med) LOW Date Received: 05/05/10  
% Moisture: not dec. 4 Date Analyzed: 05/06/10  
GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0  
Soil Extract Volume: (mL) Soil Aliquot Volume: (uL)

Number TICs found: 7

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.91	37.3	J
2.	UNKNOWN	4.76	5.29	J
3.	UNKNOWN	5.07	33.7	J
4.	COLUMN BLEED	5.51	9.79	J
5. 66-25-1	HEXANAL	5.94	149	NJ
6.	COLUMN BLEED	6.54	14.9	J
7.	UNKNOWN	7.29	3.79	J
8.				
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FORM I VOA-TIC

CABOT-EPA 006539

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506019.d

Date : 06-MAY-2010 18:43

Client ID: 2H/4H-6

Instrument: 30msv1.i

Sample Info: 3027140019,,6.55

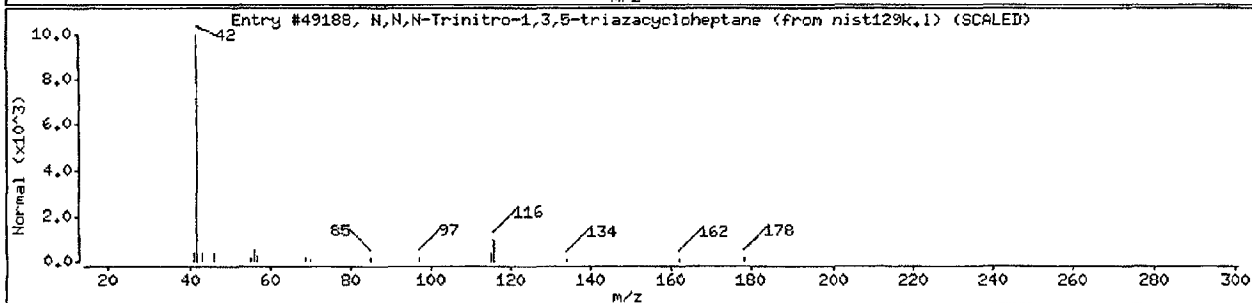
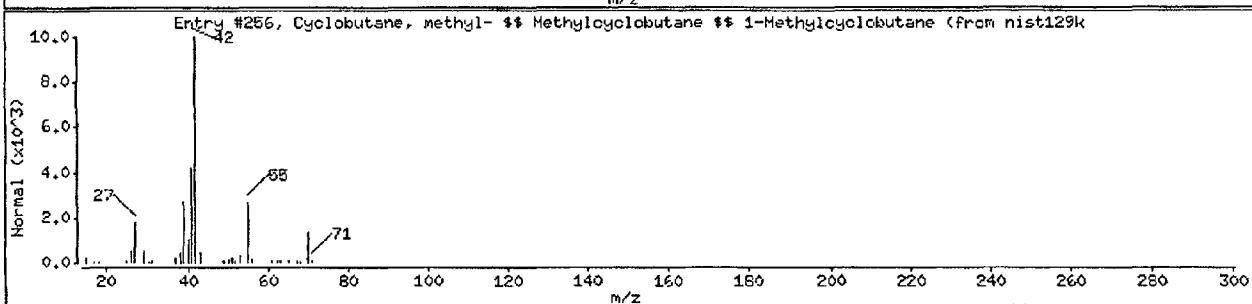
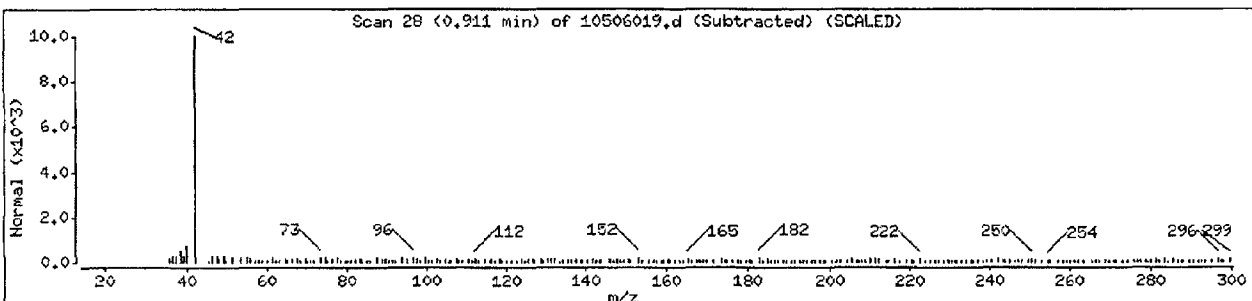
Purge Volume: 6.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclobutane, methyl- $\neq$ Methylcyclobutan	538-61-8	nist129k.1	256	45	C5H10	70
N,N,N-Trinitro-1,3,5-triazacycloheptane	0-00-0	nist129k.1	49188	39	C4H8N6O6	236



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506019.d

Date : 06-MAY-2010 18:43

Client ID: 2H/4H-6

Instrument: 30msv1.i

Sample Info: 3027140019,,6.55

Purge Volume: 6.5

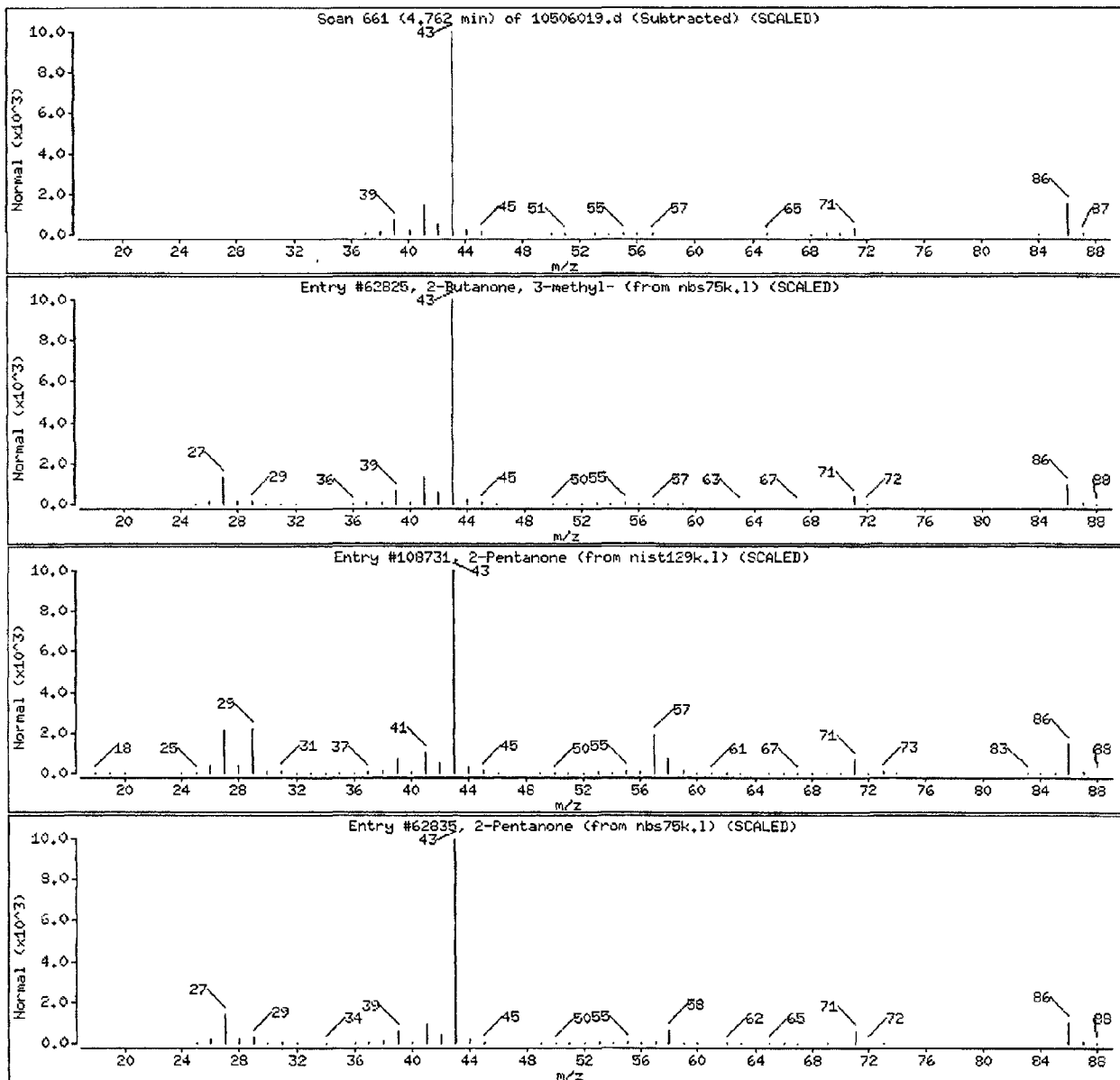
Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match  
Unknown

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butanone, 3-methyl-	563-80-4	nbs75k.1	62825	86	C5H10O	86
2-Pentanone	107-87-9	nist129k.1	108731	64	C5H10O	86
2-Pentanone	107-87-9	nbs75k.1	62835	64	C5H10O	86



CABOT-EPA 006541

Data File: \\30uintarget\chem\30msv1.i\1050610.b\1.b\10506019.d

Date : 06-MAY-2010 18:43

Client ID: 2H/4H-6

Instrument: 30msv1.i

Sample Info: 3027140019,,6,55

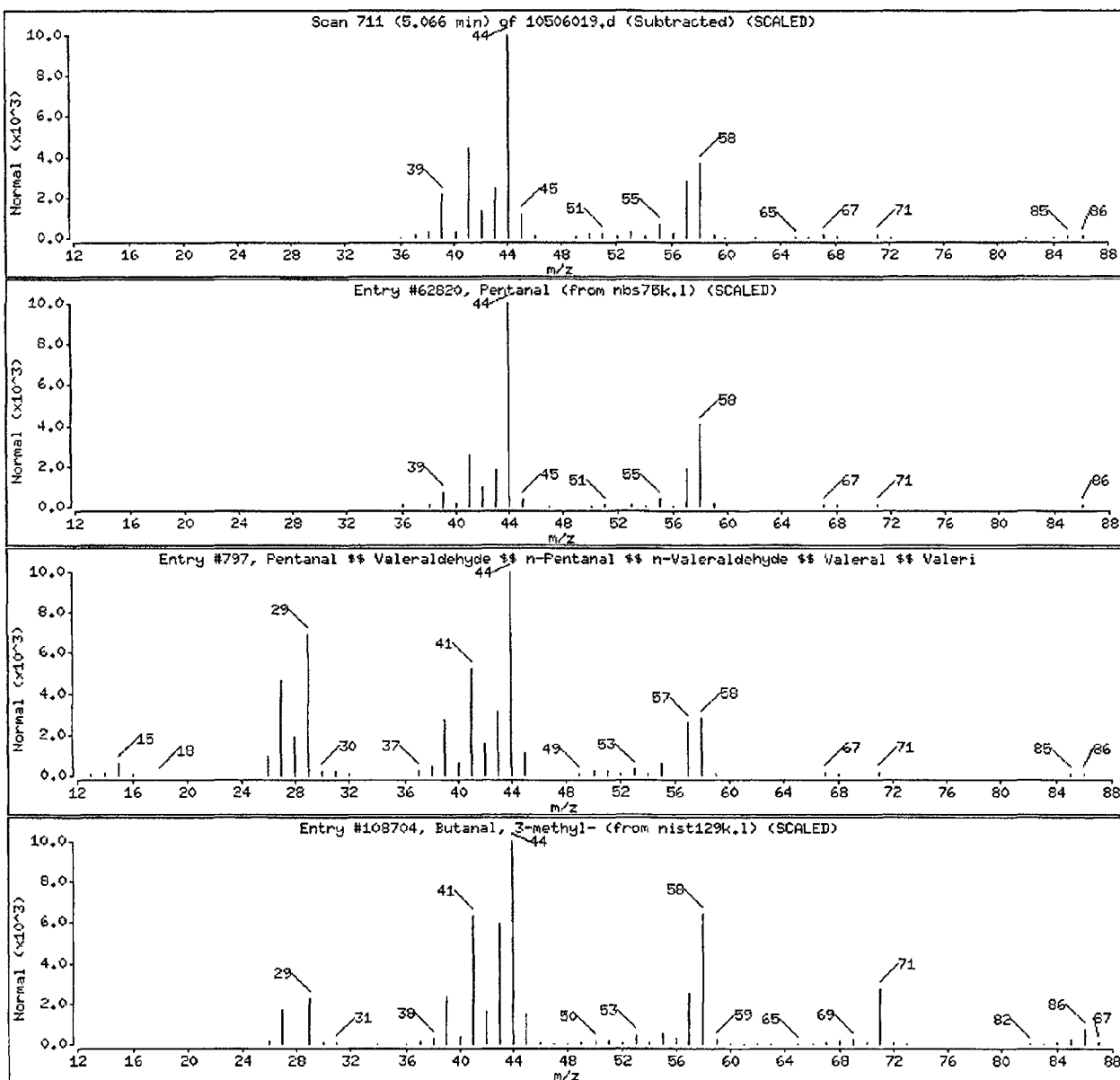
Purge Volume: 6.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pentanal	110-62-3	nbs75k.1	62820	86	C5H10O	86
Pentanal $\frac{1}{2}$ Valeraldehyde $\frac{1}{2}$ n-Pentanal	110-62-3	nist129k.1	797	83	C5H10O	86
Butanal, 3-methyl-	590-86-3	nist129k.1	108704	42	C5H10O	86



CABOT-EPA 006542

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.10506019.d

Date : 06-MAY-2010 18:43

Client ID: 2H/4H-6

Instrument: 30msv1.i

Sample Info: 3027140019,,6.55

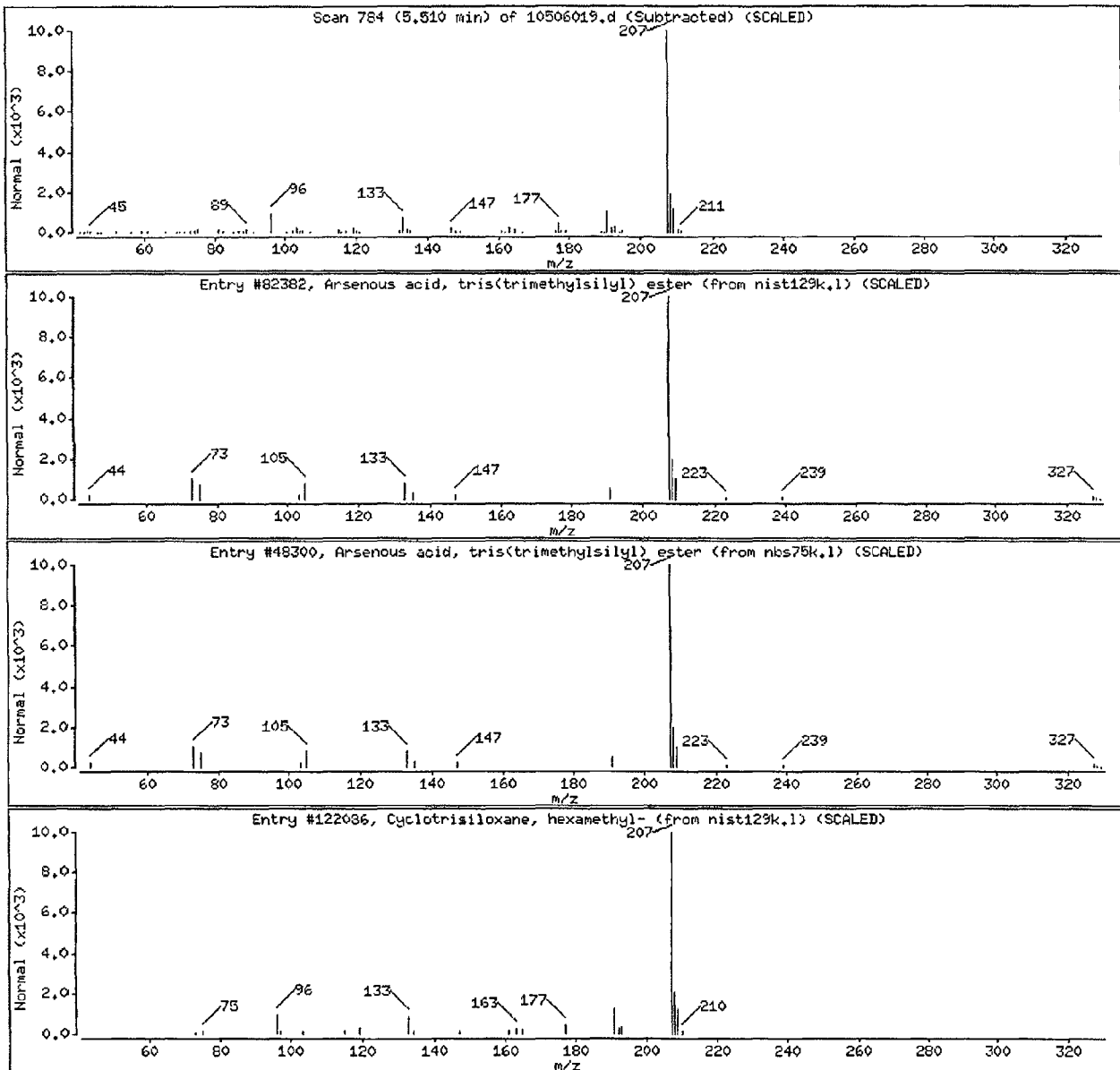
Purge Volume: 6.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nist129k.1	82382	56	C9H27AsO3Si3	342
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nbs75k.1	48300	56	C9H27AsO3Si3	342
Cyclotrisiloxane, hexamethyl-	541-05-9	nist129k.1	122086	49	C6H18O3Si3	222



CABOT-EPA 006543

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506019.d

Date : 06-MAY-2010 18:43

Client ID: 2H/4H-6

Instrument: 30msv1.i

Sample Info: 3027140019,,6.55

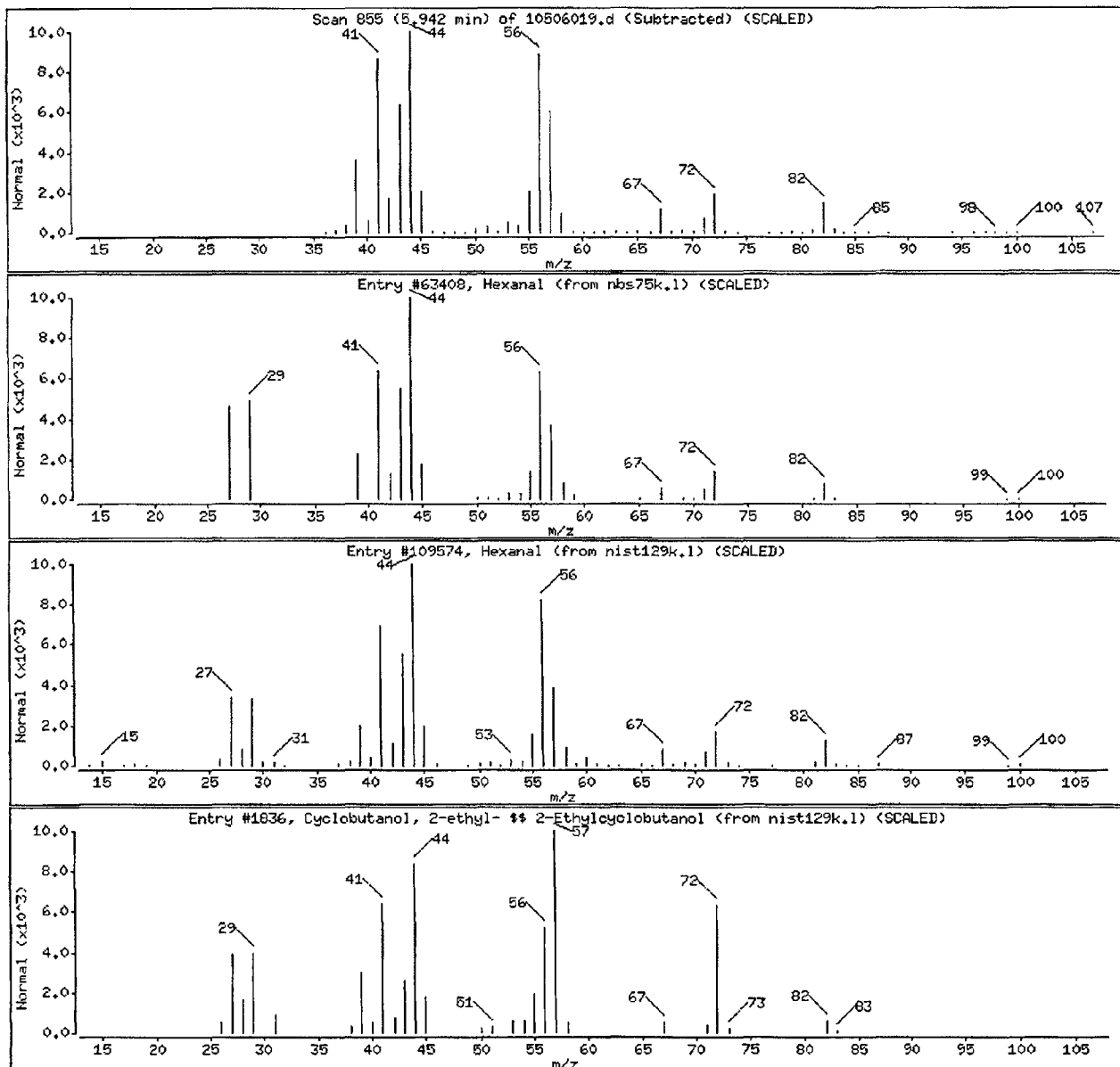
Purge Volume: 6.5

Operator: JEM

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nbs75k.1	63408	91	C6H12O	100
Hexanal	66-25-1	nist129k.1	109574	90	C6H12O	100
Cyclobutanol, 2-ethyl- ## 2-Ethylcyclobu	35301-43-0	nist129k.1	1836	78	C6H12O	100



CABOT-EPA 006544



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.5\10506019.d

Date : 06-MAY-2010 18:43

Client ID: 2H/4H-6

Instrument: 30msv1.i

Sample Info: 3027140019,,6,55

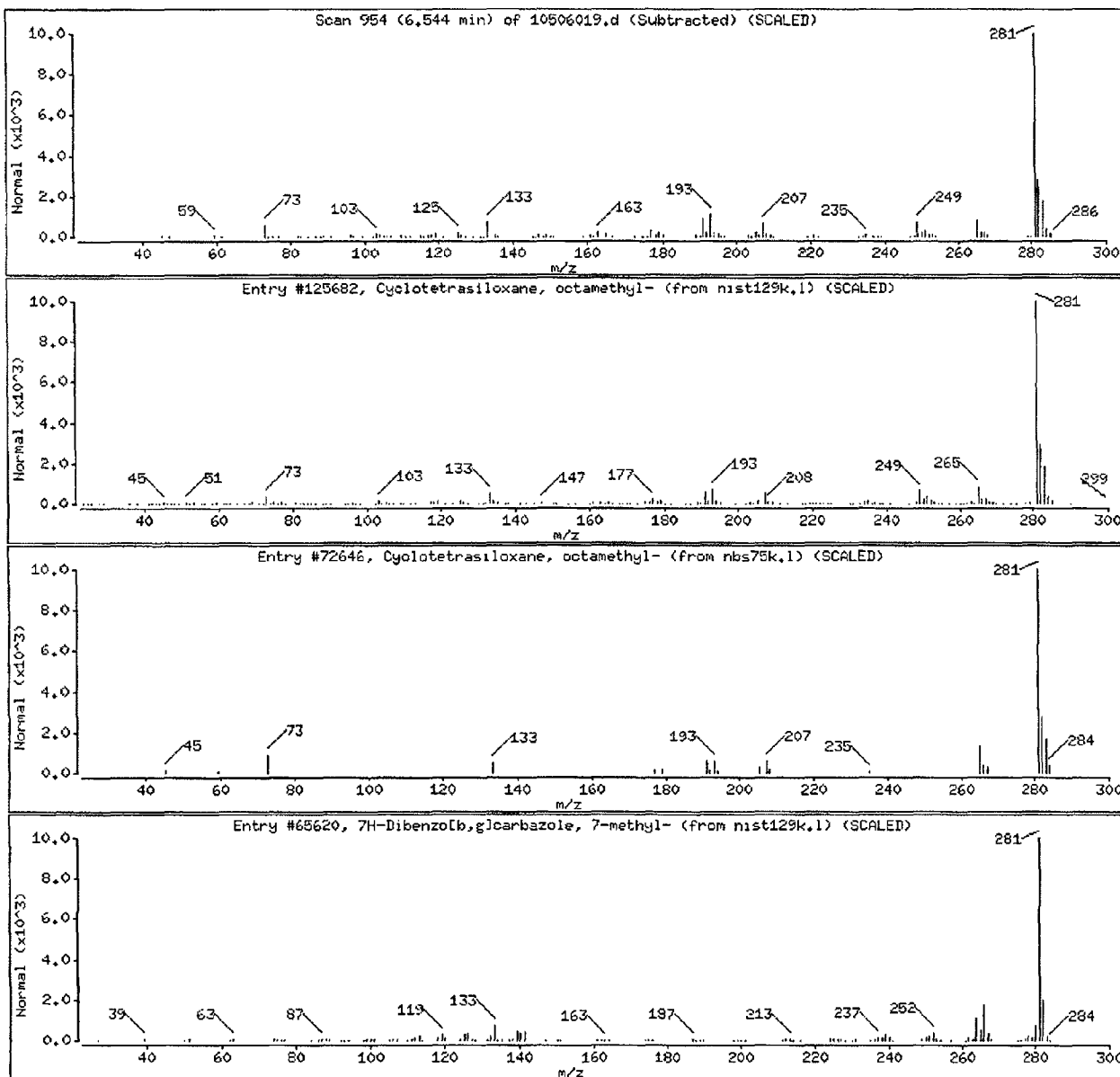
Purge Volume: 6.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k.1	125682	91	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	296
Cyclotetrasiloxane, octamethyl-	556-67-2	nbs75k.1	72646	80	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	nist129k.1	65620	59	C <sub>21</sub> H <sub>15</sub> N	281



CABOT-EPA 006545

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506019.d

Date : 06-MAY-2010 18:43

Client ID: 2H/4H-6

Instrument: 30msv1.i

Sample Info: 3027140019,,6.55

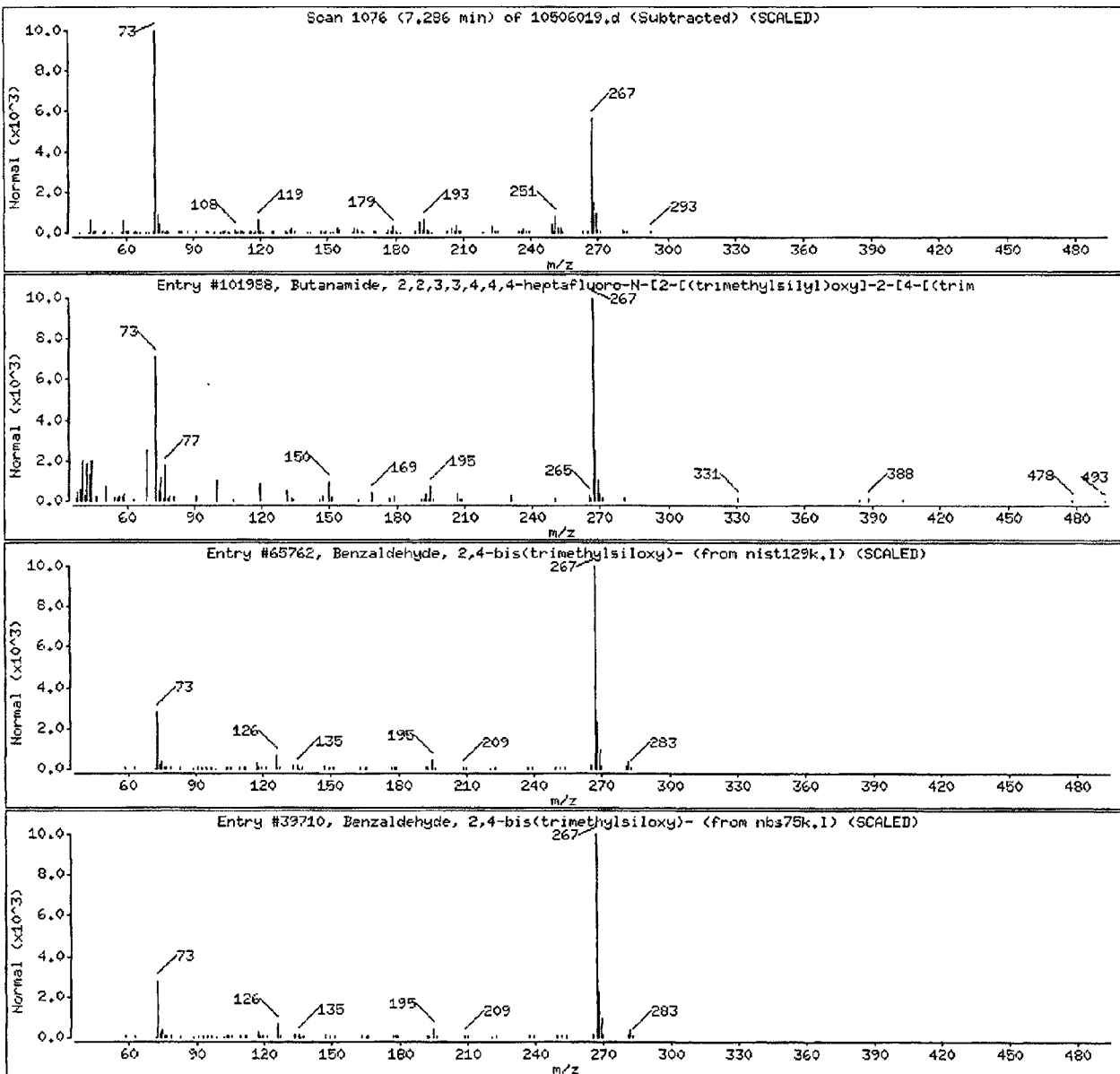
Purge Volume: 6.5

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Butanamide, 2,2,3,3,4,4,4-heptafluoro-N-	55471-01-7	nist129k.1	101988	64	C16H26F7NO3S	293
Benzaldehyde, 2,4-bis(trimethylsiloxy)-	33617-38-8	nist129k.1	65762	64	C13H22O3Si2	282
Benzaldehyde, 2,4-bis(trimethylsiloxy)-	33617-38-8	nbs75k.1	39710	64	C13H22O3Si2	282



CABOT-EPA 006546

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-7

Lab Name: Contract:   
Lab Code: Case No.: SAS No.: SDG No.: 3027140   
Matrix: (soil/water) SOIL Lab Sample ID: 3027140005   
Sample wt/vol: 5.0 (g/mL) G Lab File ID: 50510007   
Level: (low/med) LOW Date Received: 05/05/10   
% Moisture: not dec. 57 Date Analyzed: 05/10/10   
GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0   
Soil Extract Volume: (mL) Soil Aliquot Volume: (uL)

Number TICs found: 11 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.93	23.7	J
2. 1120-21-4	UNDECANE	7.02	39.2	NJ
3.	UNKNOWN	7.26	38.9	J
4. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHYL	7.38	23.0	NJ
5. 98640-29-0	3A,6-METHANO-3AH-INDENE, 2,3	7.49	20.2	NJ
6. 767-58-8	INDAN, 1-METHYL-	7.57	37.3	NJ
7. 4912-92-9	1H-INDENE, 2,3-DIHYDRO-1,1-D	7.74	20.9	NJ
8. 1680-51-9	NAPHTHALENE, 1,2,3,4-TETRAHY	8.03	31.9	NJ
9. 2809-64-5	NAPHTHALENE, 1,2,3,4-TETRAHY	8.18	18.6	NJ
10. 4175-54-6	NAPHTHALENE, 1,2,3,4-TETRAHY	8.24	21.2	NJ
11.	UNKNOWN	8.74	24.6	J
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FORM I VOA-TIC

CABOT-EPA 006547

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

Purge Volume: 5.0

Operator: JEH

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match

CAS Number

Library

Entry

Quality

Formula

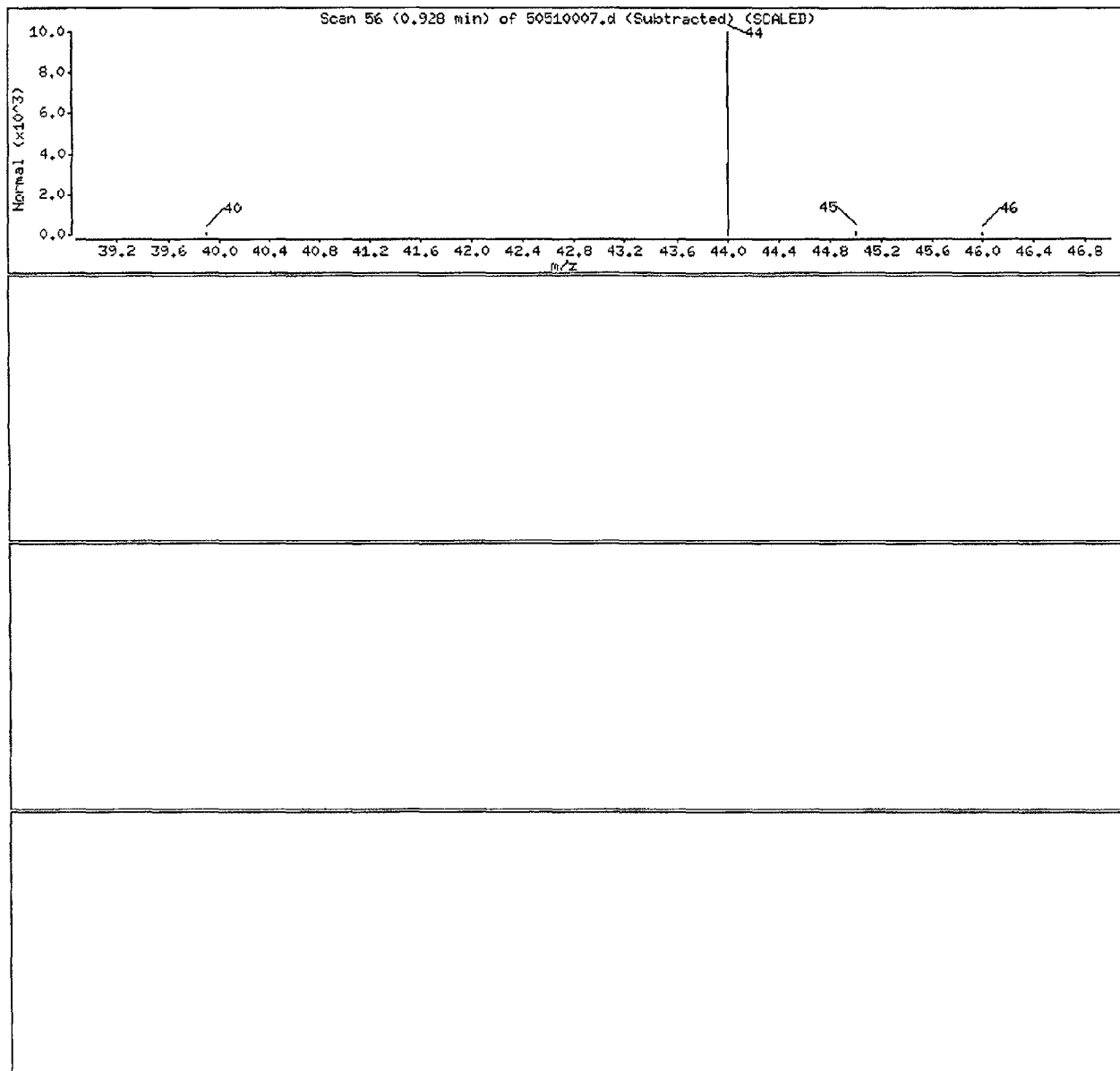
Weight

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0

0



CABOT-EPA 006548

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

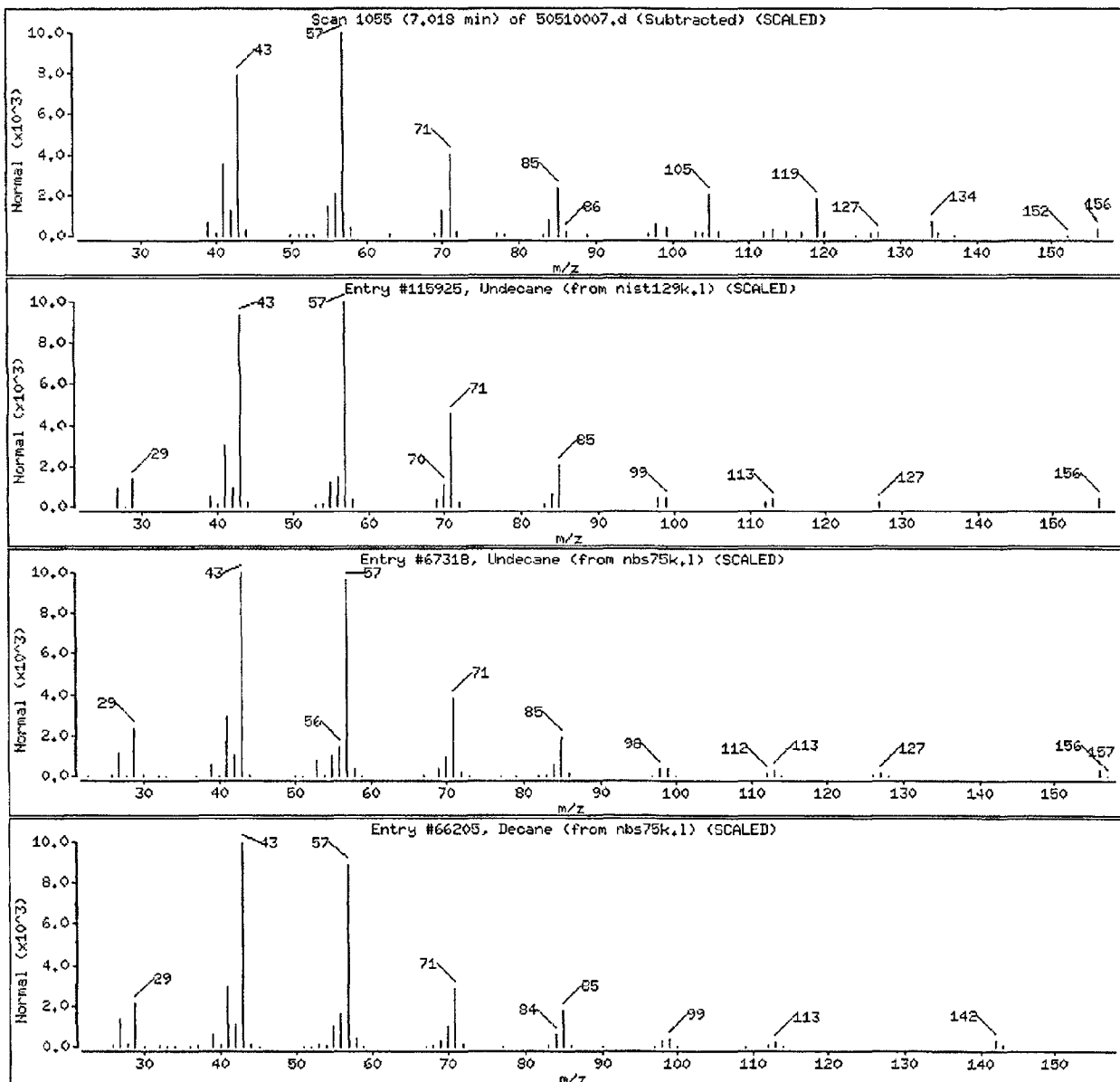
Purge Volume: 5.0

Operator: JEN

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nist129k.1	115925	93	C <sub>11</sub> H <sub>24</sub>	156
Undecane	1120-21-4	nbs75k.1	67318	89	C <sub>11</sub> H <sub>24</sub>	156
Decane	124-18-5	nbs75k.1	66205	88	C <sub>10</sub> H <sub>22</sub>	142



CABOT-EPA 006549

Data File: \\30wintarget\chem\30msv5\1\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

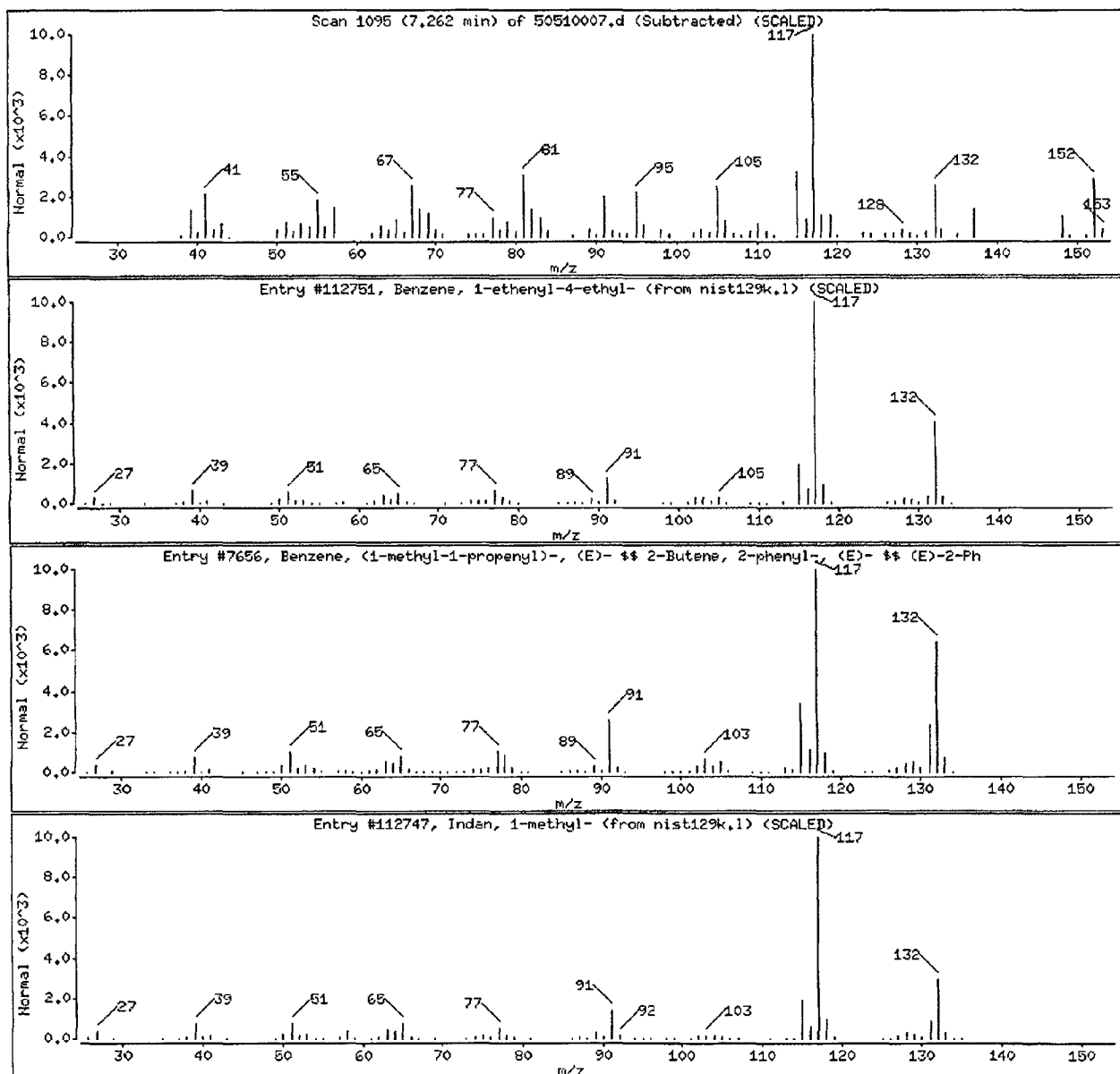
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1-ethenyl-4-ethyl-	3454-07-7	nist129k.1	112751	60	C10H12	132
Benzene, (1-methyl-1-propenyl)-, (E)-	768-00-3	nist129k.1	7656	60	C10H12	132
Indan, 1-methyl-	767-58-8	nist129k.1	112747	60	C10H12	132



CABOT-EPA 006550



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.e\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

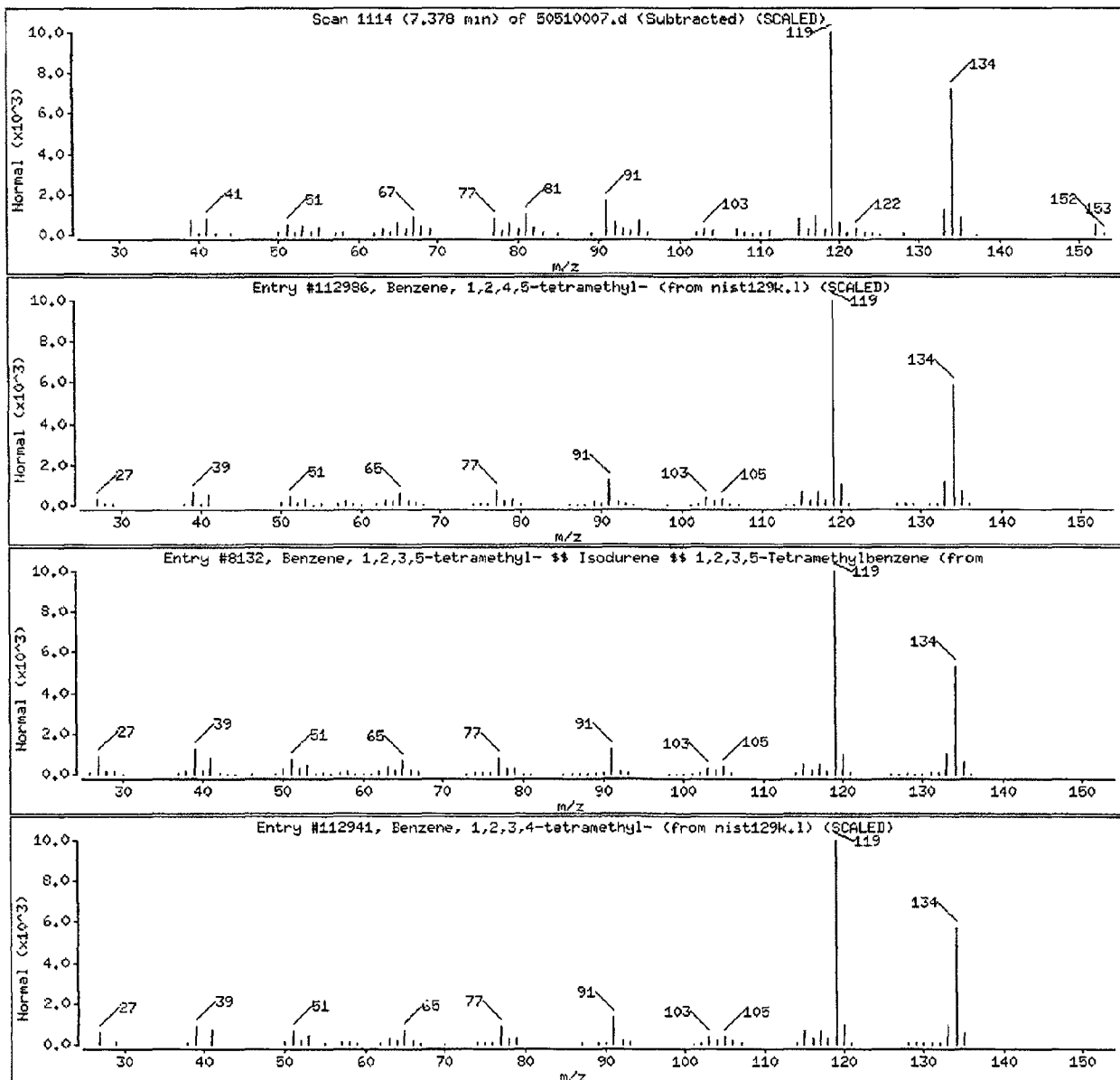
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 1,2,4,5-tetramethyl-	95-93-2	nist129k.1	112986	90	C10H14	134
Benzene, 1,2,3,5-tetramethyl- $\neq$ Isodurene	527-53-7	nist129k.1	8132	90	C10H14	134
Benzene, 1,2,3,4-tetramethyl-	488-23-3	nist129k.1	112941	90	C10H14	134



CABOT-EPA 006551

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.1

Sample Info: 3027140005,,8.84

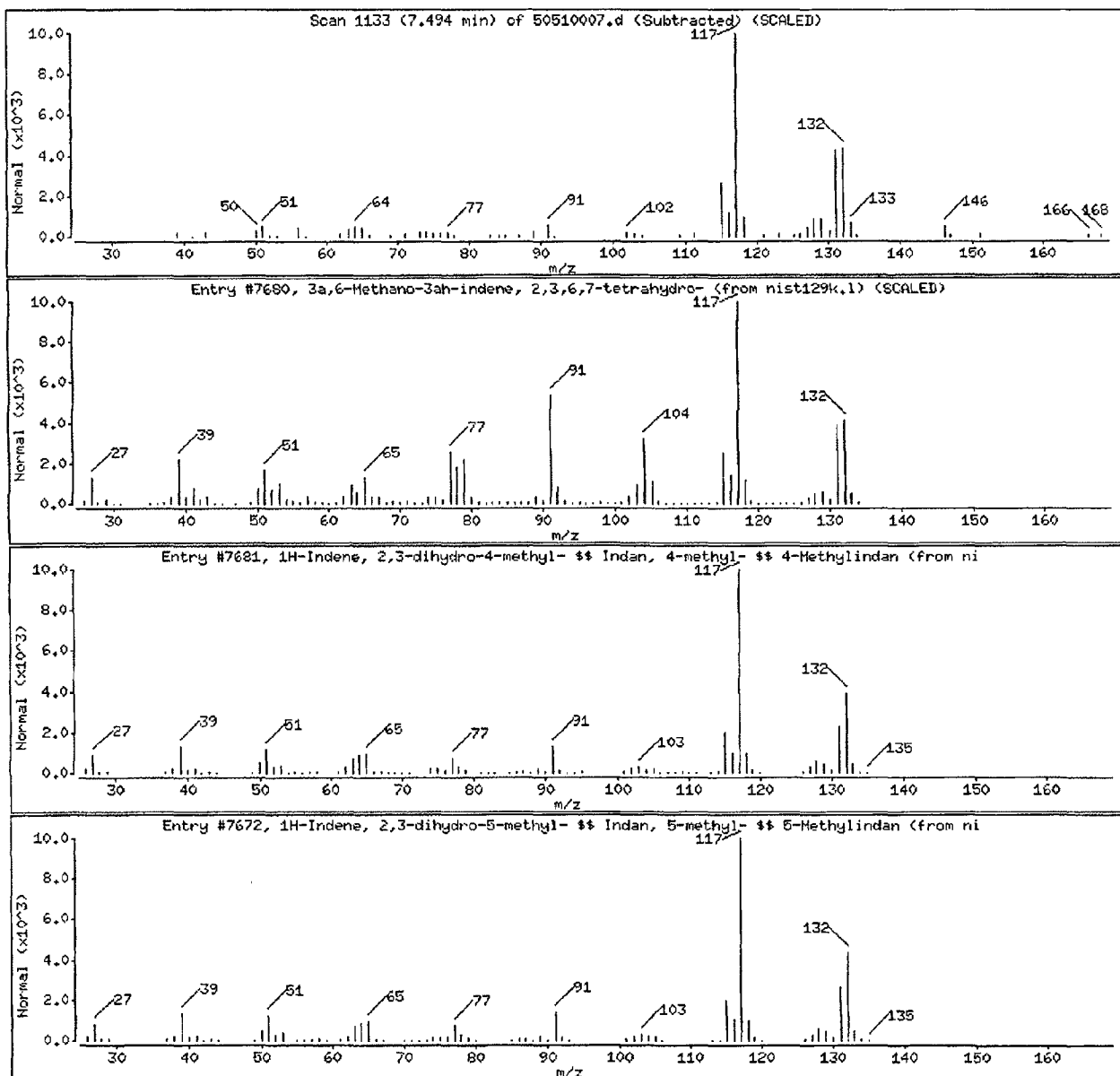
Purge Volume: 5.0

Operator: JEM

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
3a,6-Methano-3ah-indene, 2,3,6,7-tetrahy	98640-29-0	nist129k.1	7680	90	C10H12	132
1H-Indene, 2,3-dihydro-4-methyl- ** Inda	824-22-6	nist129k.1	7681	83	C10H12	132
1H-Indene, 2,3-dihydro-5-methyl- ** Inda	874-35-1	nist129k.1	7672	83	C10H12	132



CABOT-EPA 006552

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

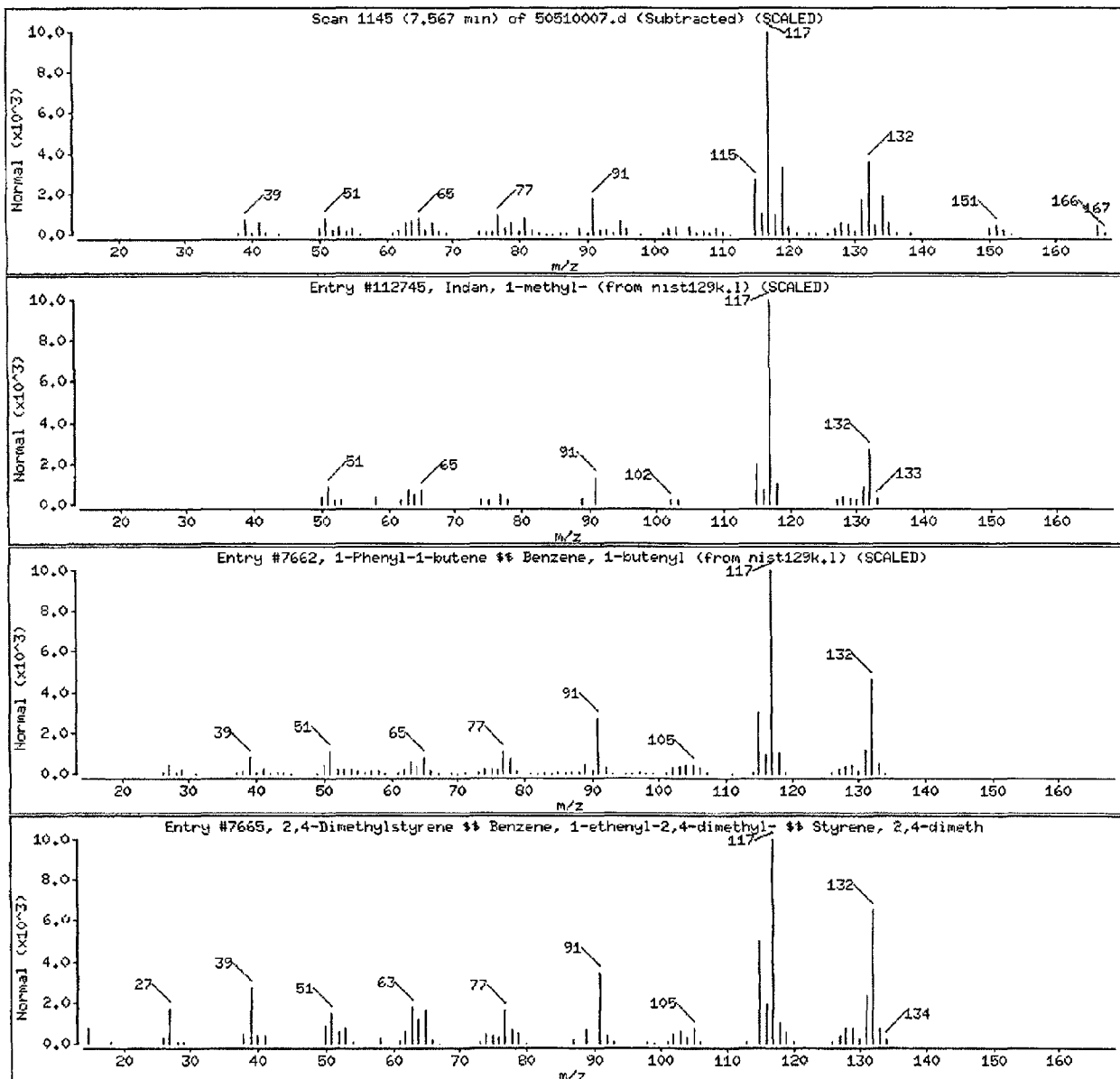
Purge Volume: 5.0

Operator: JEM

Column phase: Rtx-VNS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Indan, 1-methyl-	767-58-8	nist129k.1	112745	95	C10H12	132
1-Phenyl-1-butene % Benzene, 1-butenyl	824-90-8	nist129k.1	7662	95	C10H12	132
2,4-Dimethylstyrene % Benzene, 1-etheny	2234-20-0	nist129k.1	7665	95	C10H12	132



CABOT-EPA 006553

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

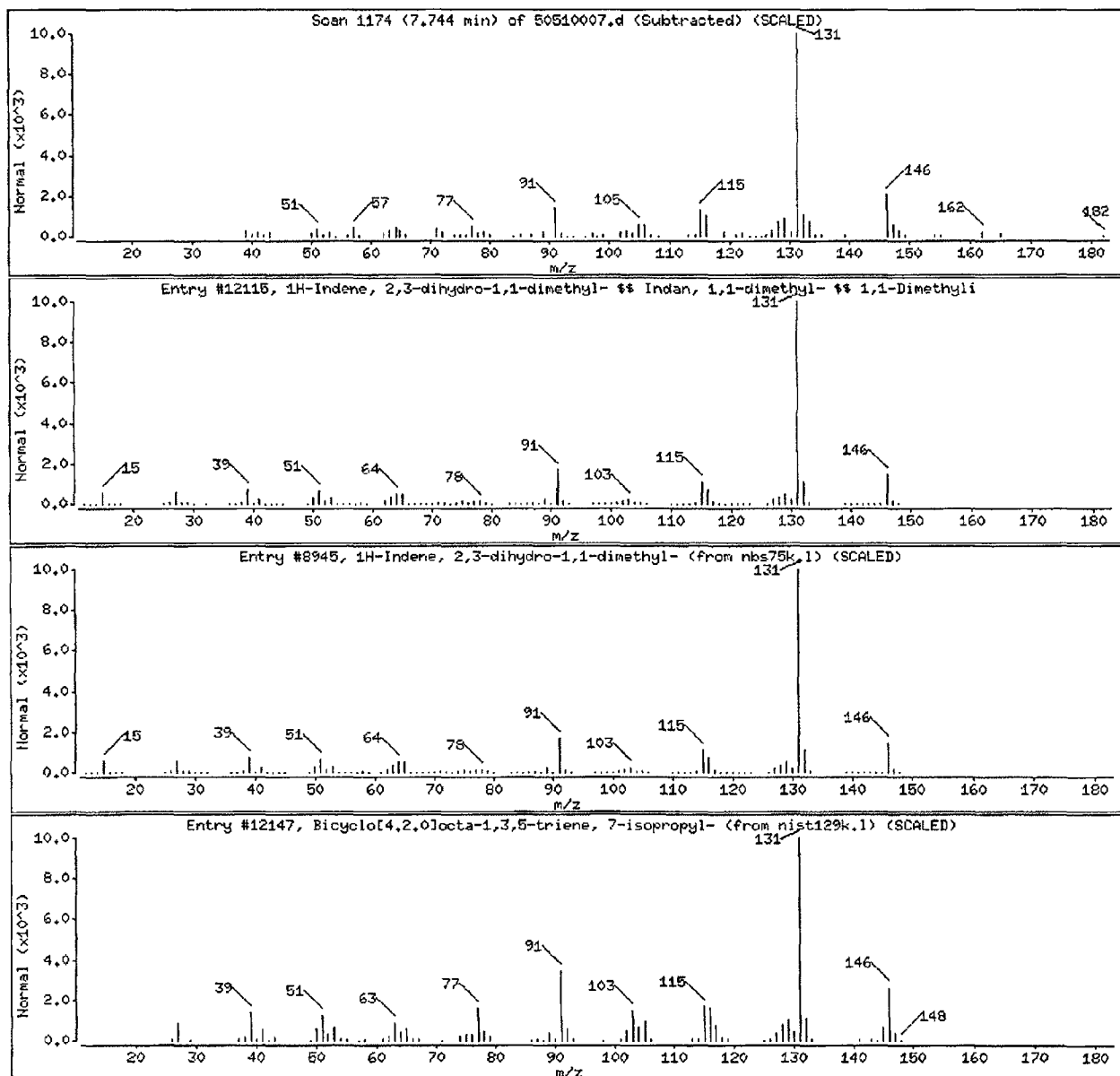
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1H-Indene, 2,3-dihydro-1,1-dimethyl- \$\$	4912-92-9	nist129k.1	12115	90	C11H14	146
1H-Indene, 2,3-dihydro-1,1-dimethyl-	4912-92-9	nbs75k.1	8945	90	C11H14	146
Bicyclo[4.2.0]octa-1,3,5-triene, 7-isopr	27087-54-3	nist129k.1	12147	87	C11H14	146



CABOT-EPA 006554

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

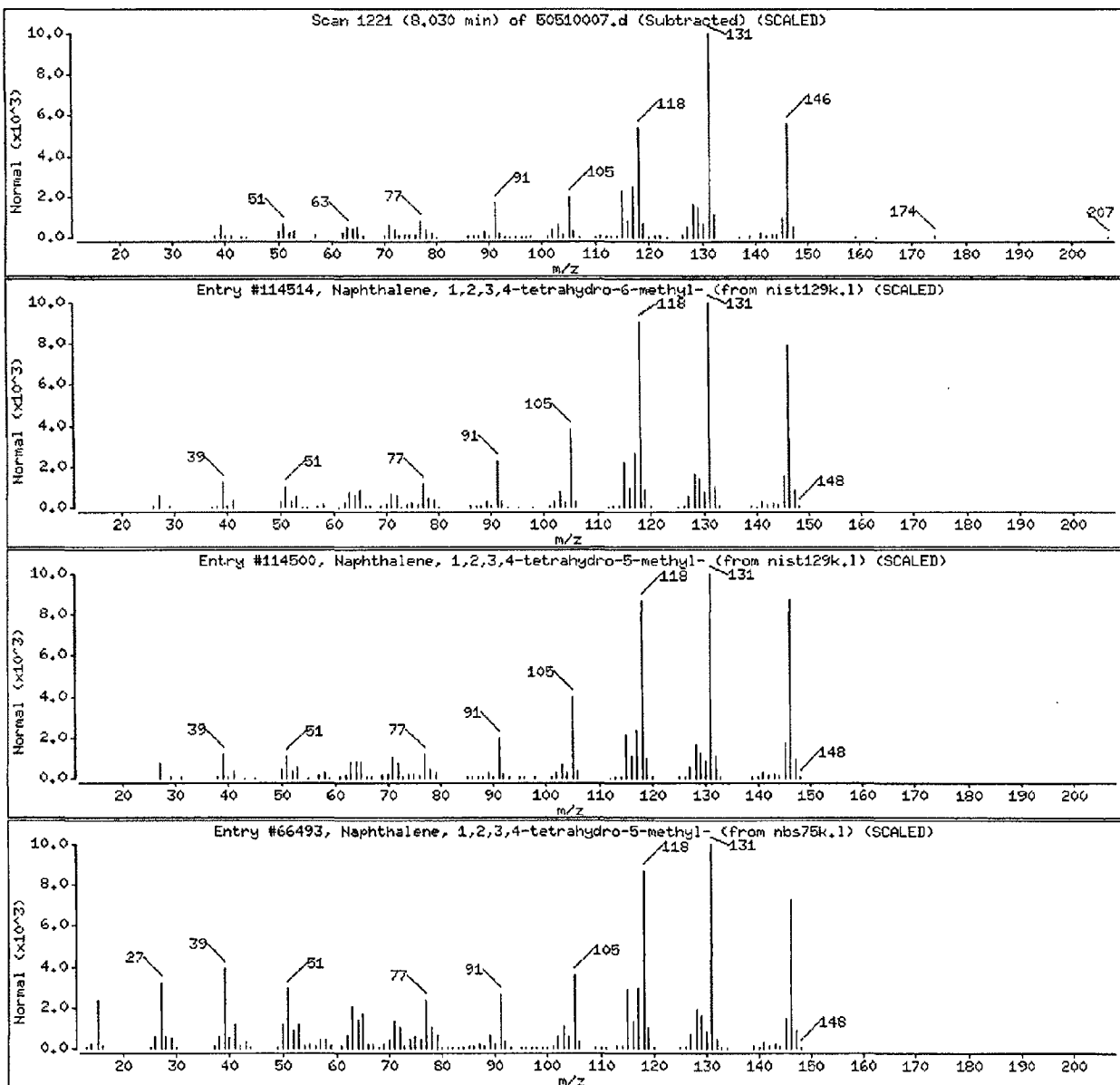
Purge Volume: 5.0

Operator: JEN

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nist129k.1	114514	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nist129k.1	114500	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nbs75k.1	66493	94	C11H14	146



CABOT-EPA 006555

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.1

Sample Info: 3027140005,,8.84

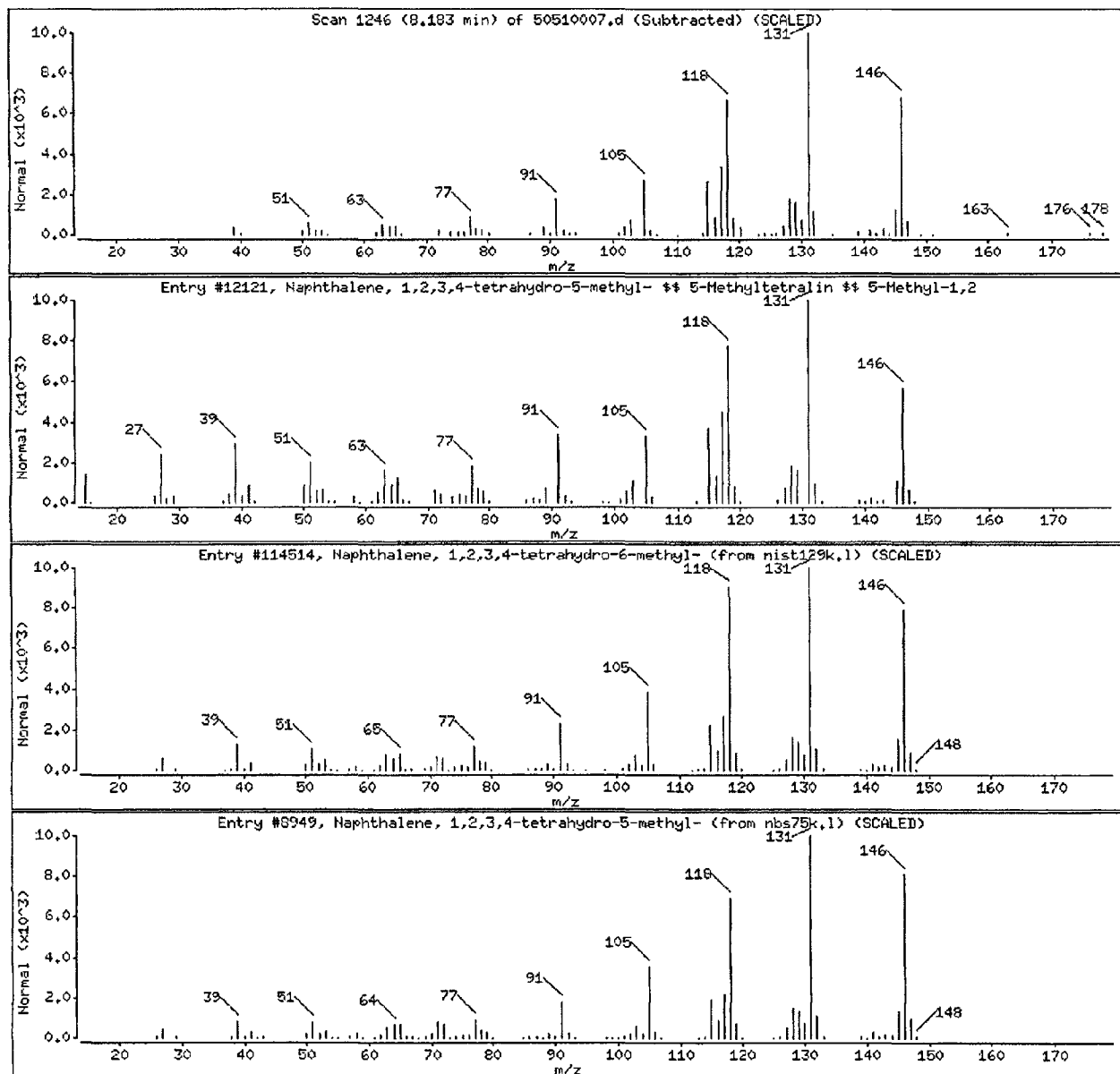
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nist129k.1	12121	97	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nist129k.1	114514	97	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nbs75k.1	8949	97	C11H14	146



CABOT-EPA 006556



Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8.84

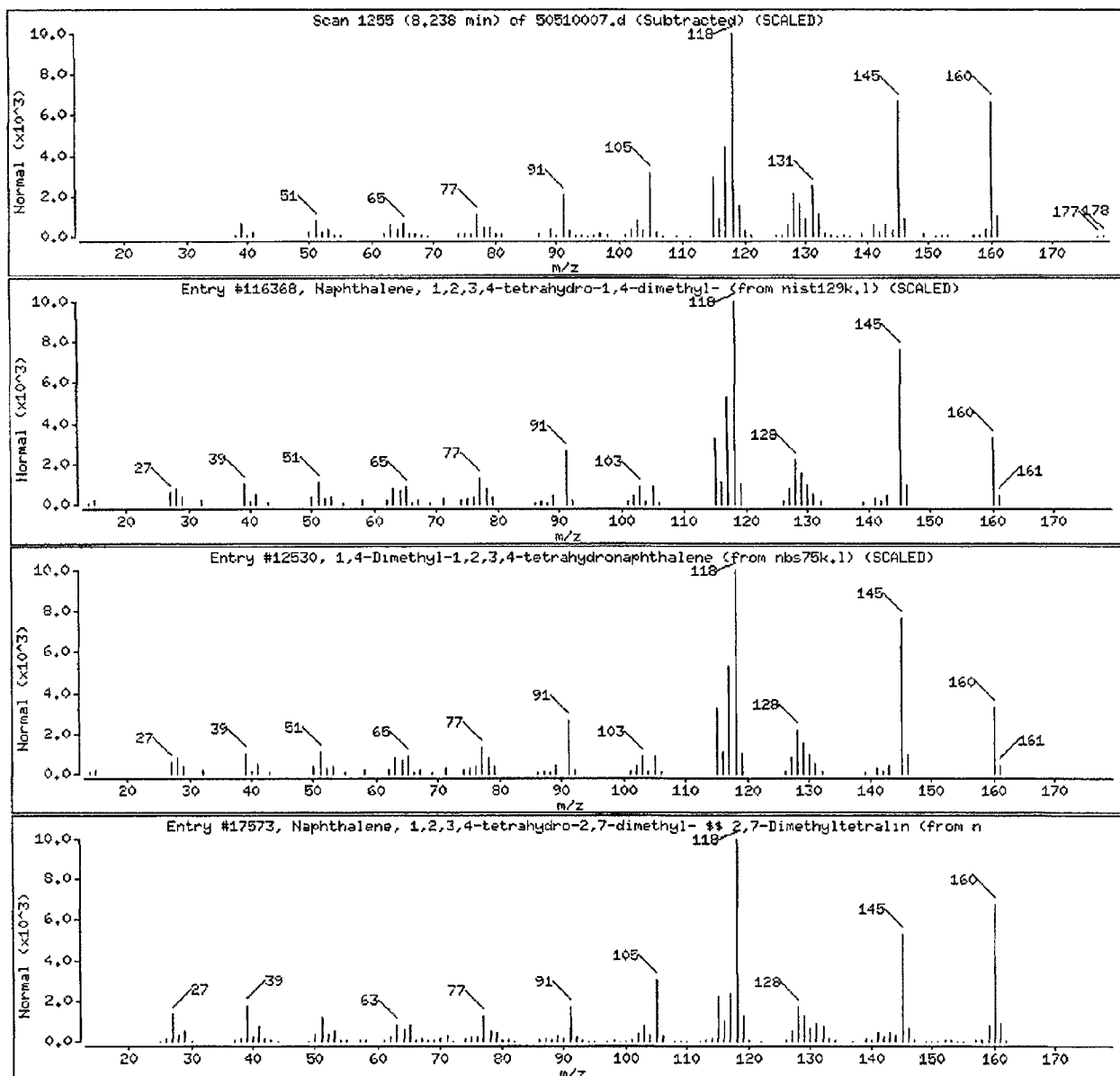
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-1,4-dime	4175-54-6	nist129k.1	116368	91	C12H16	160
1,4-Dimethyl-1,2,3,4-tetrahydronaphthale	0-00-0	nbs75k.1	12530	91	C12H16	160
Naphthalene, 1,2,3,4-tetrahydro-2,7-dime	13065-07-1	nist129k.1	17573	90	C12H16	160



CABOT-EPA 006557

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510007.d

Date : 10-MAY-2010 11:45

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140005,,8,84

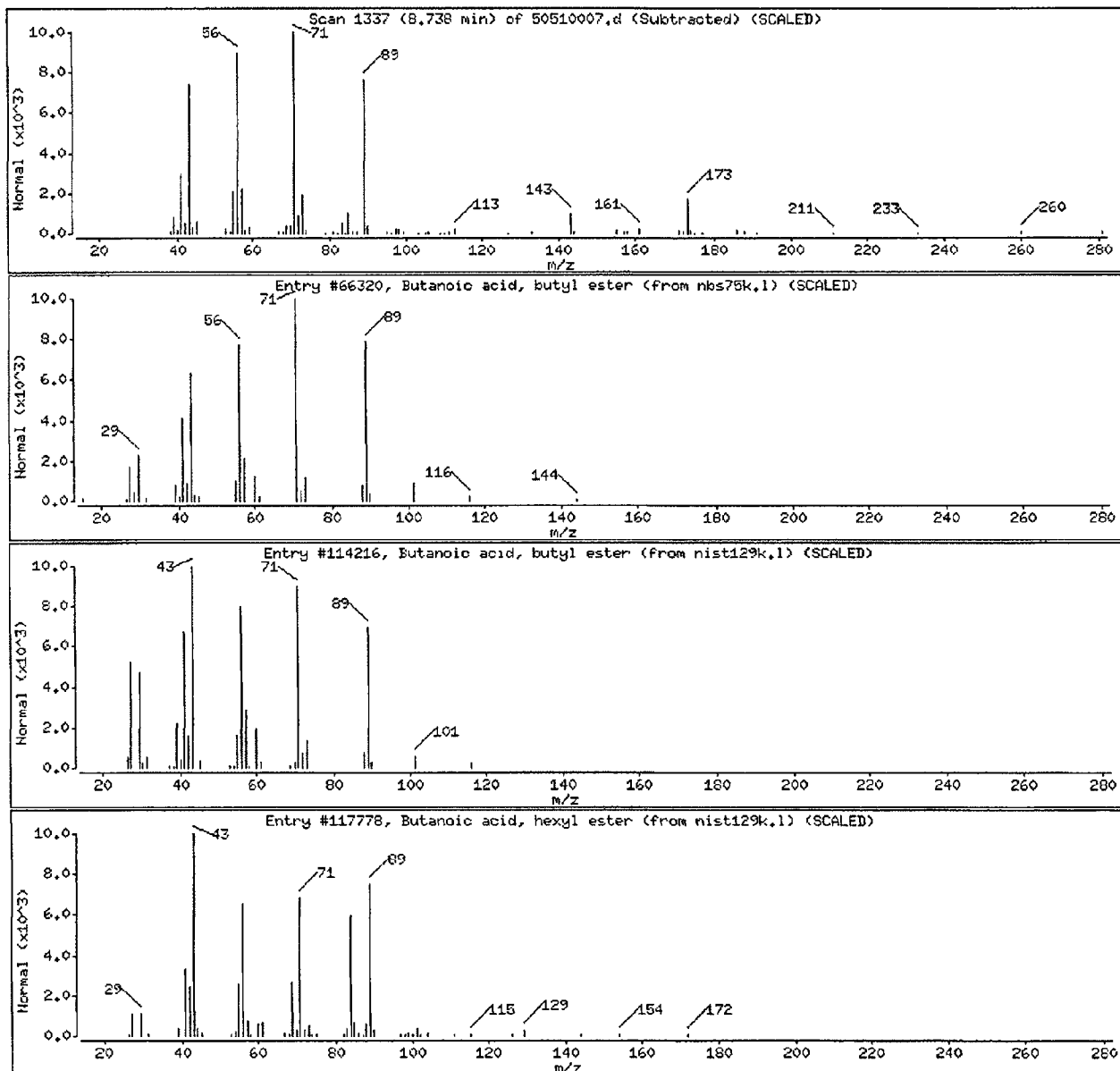
Purge Volume: 5.0

Operator: JEN

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Butanoic acid, butyl ester	109-21-7	nbs75k.1	66320	87	C8H16O2	144
Butanoic acid, butyl ester	109-21-7	nist129k.1	114216	64	C8H16O2	144
Butanoic acid, hexyl ester	2639-63-6	nist129k.1	117778	64	C10H20O2	172



CABOT-EPA 006558

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

URS Corporation - PG05-MAY-2010 13:40

2H/4H-8

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027140A

Matrix: (soil/water) SOIL

Lab Sample ID: 3027140021

Sample wt/vol: 4.6 (g/mL) G

Lab File ID: 10506020

Level: (low/med) LOW

Date Received: 05/05/10

% Moisture: not dec. 22

Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (mL)

Soil Aliquot Volume: (uL)

Number TICs found: 12

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.93	193	J
2. 74-98-6	PROPANE	0.99	476	NJ
3.	UNKNOWN	1.12	117	J
4. 66-25-1	HEXANAL	5.95	52.0	NJ
5. 124-18-5	DECANE	6.63	52.0	NJ
6. 1120-21-4	UNDECANE	7.10	97.1	NJ
7.	UNKNOWN	7.34	63.6	J
8. 112-40-3	DODECANE \$\$ N-DODECANE \$\$ AD	7.52	47.4	NJ
9.	UNKNOWN	7.64	49.1	J
10.	UNKNOWN	7.78	38.4	J
11.	UNKNOWN	7.81	38.5	J
12. 629-50-5	TRIDECANE \$\$ N-TRIDECANE \$\$	7.90	44.6	NJ
13.				
14.				
15.				
16.				
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30.				

FORM I VOA-TIC

CABOT-EPA 006559

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match

CAS Number

Library

Entry

Quality

Formula

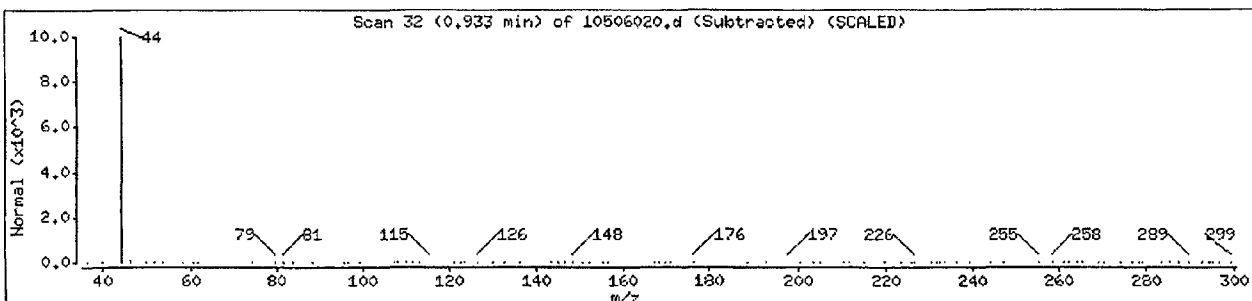
Weight

Unknown

0

0

0



CABOT-EPA 006560

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.1

Sample Info: 3027140021,,4.64

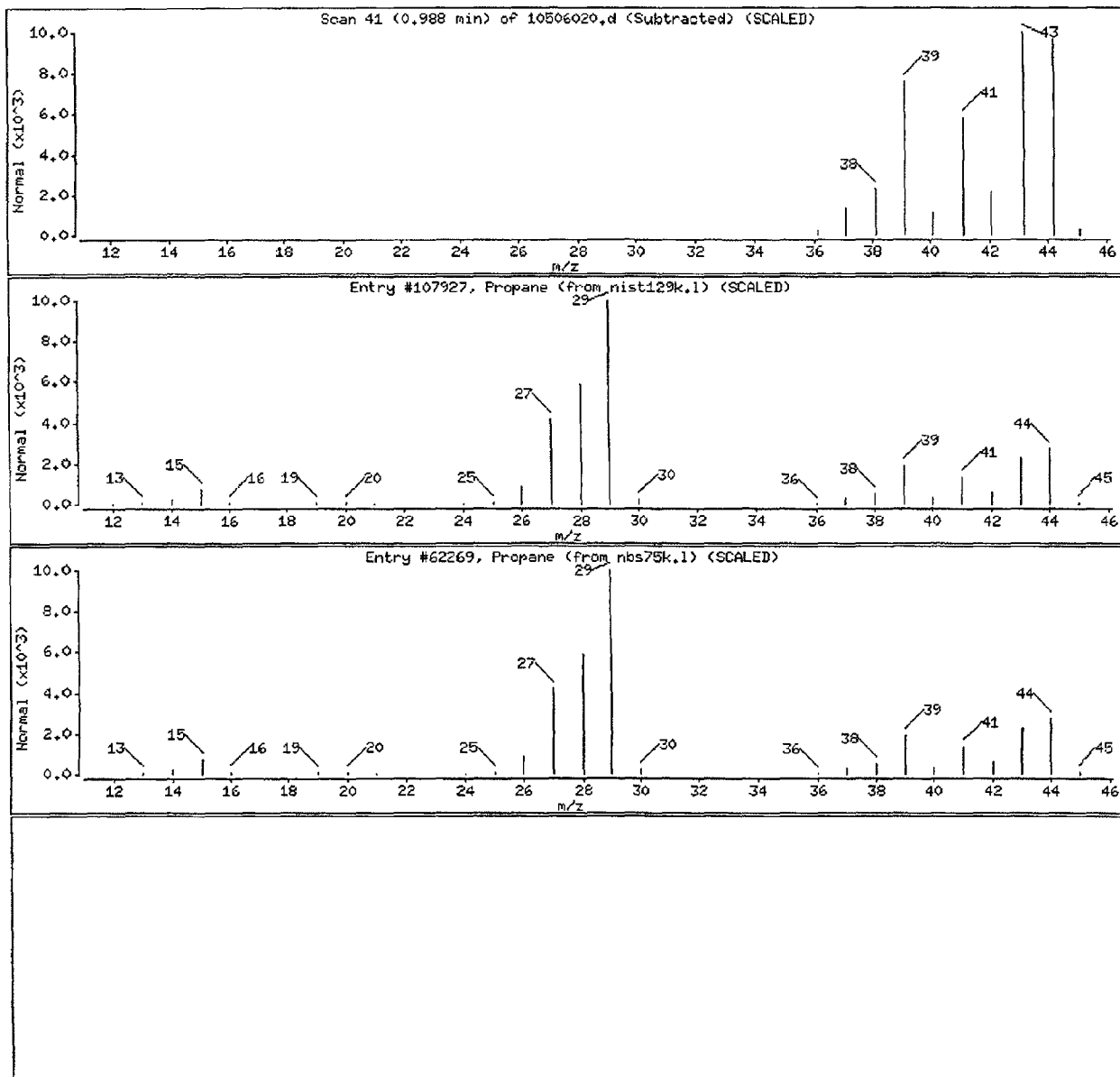
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Propane	74-98-6	nist129k.1	107927	90	C3H8	44
Propane	74-98-6	nbs75k.1	62269	90	C3H8	44



CABOT-EPA 006561

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.0506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

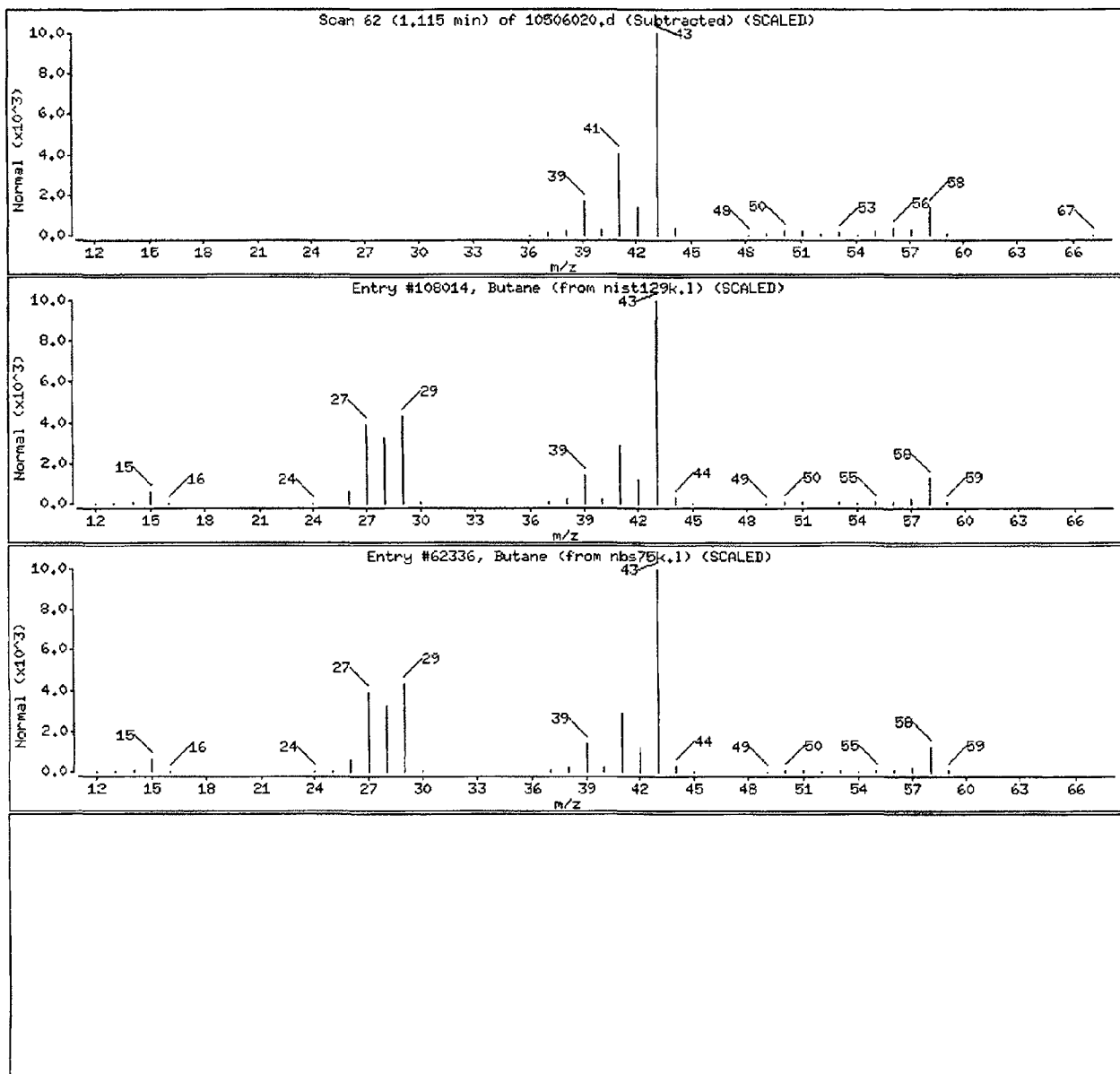
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Butane	106-97-8	nist129k.1	108014	86	C4H10	58
Butane	106-97-8	nbs75k.1	62336	86	C4H10	58



CABOT-EPA 006562



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

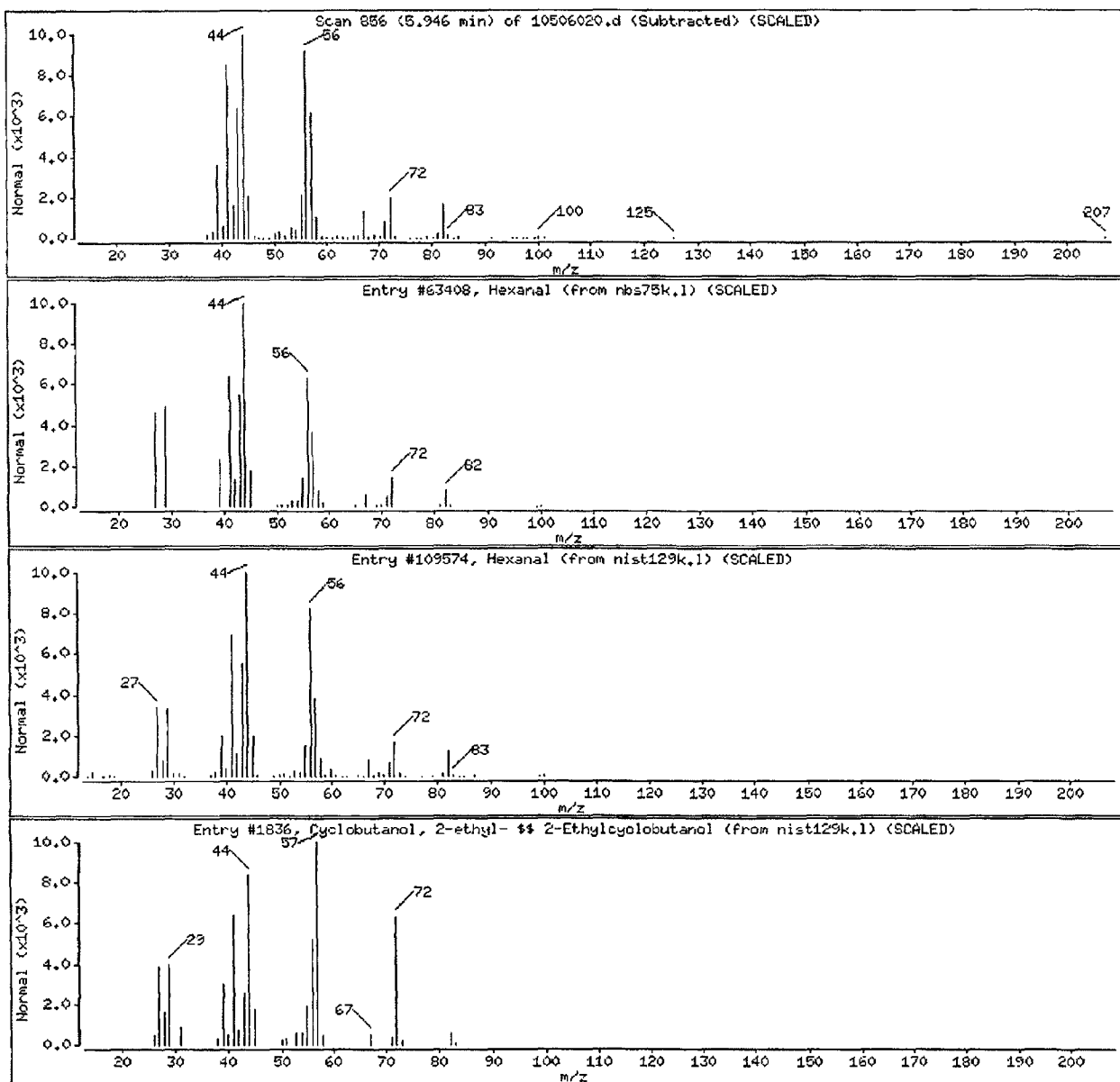
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexanal	66-25-1	nbs75k.1	63408	91	C6H12O	100
Hexanal	66-25-1	nist129k.1	109574	90	C6H12O	100
Cyclobutanol, 2-ethyl- & 2-Ethylcyclobu	35301-43-0	nist129k.1	1836	38	C6H12O	100



CABOT-EPA 006563

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4,64

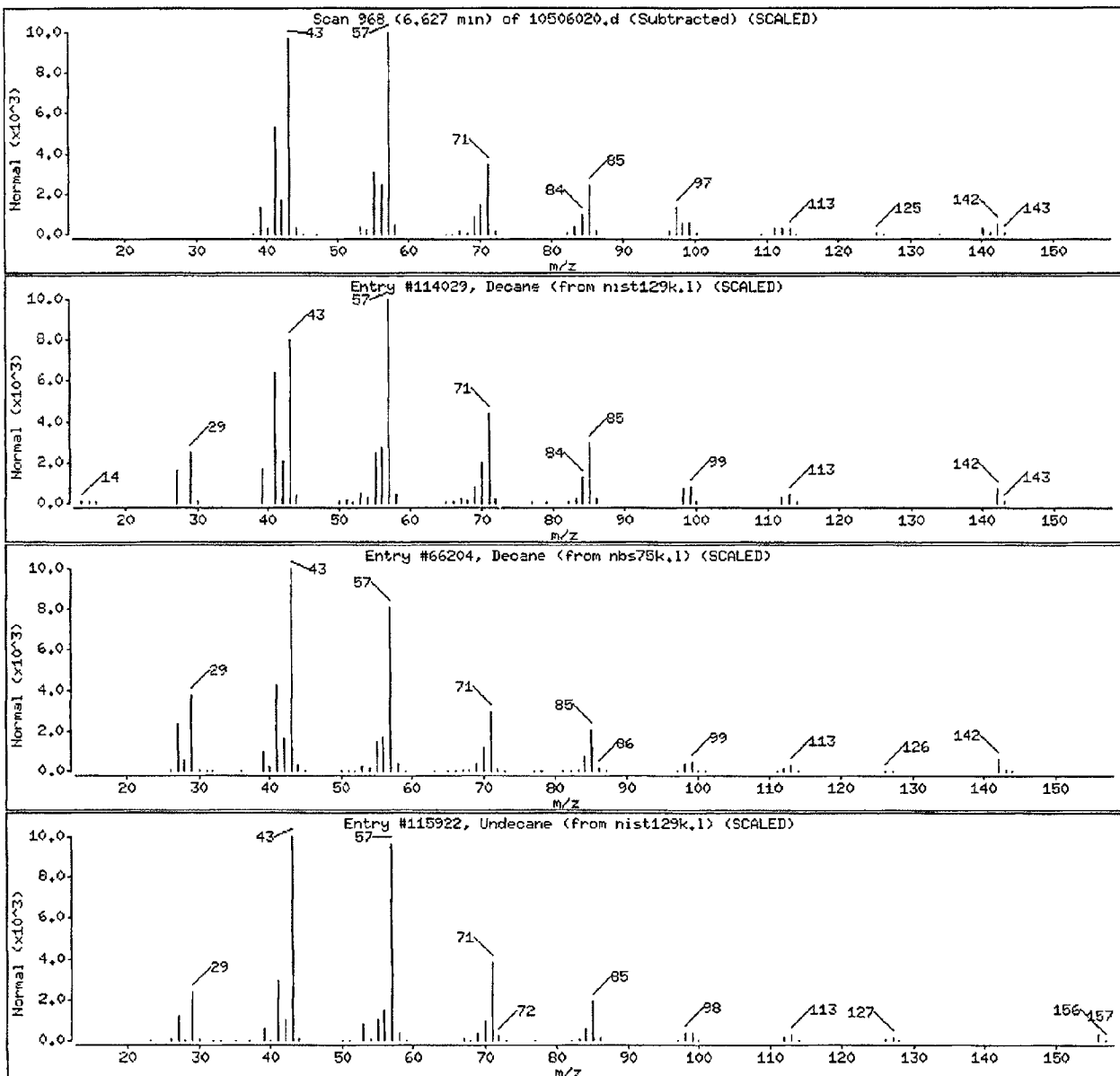
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Decane	124-18-5	nist129k.1	114029	95	C10H22	142
Decane	124-18-5	nbs75k.1	66204	81	C10H22	142
Undecane	1120-21-4	nist129k.1	115922	64	C11H24	156



CABOT-EPA 006564

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.i\10506020.d

Date : 06-MAY-2010 13:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

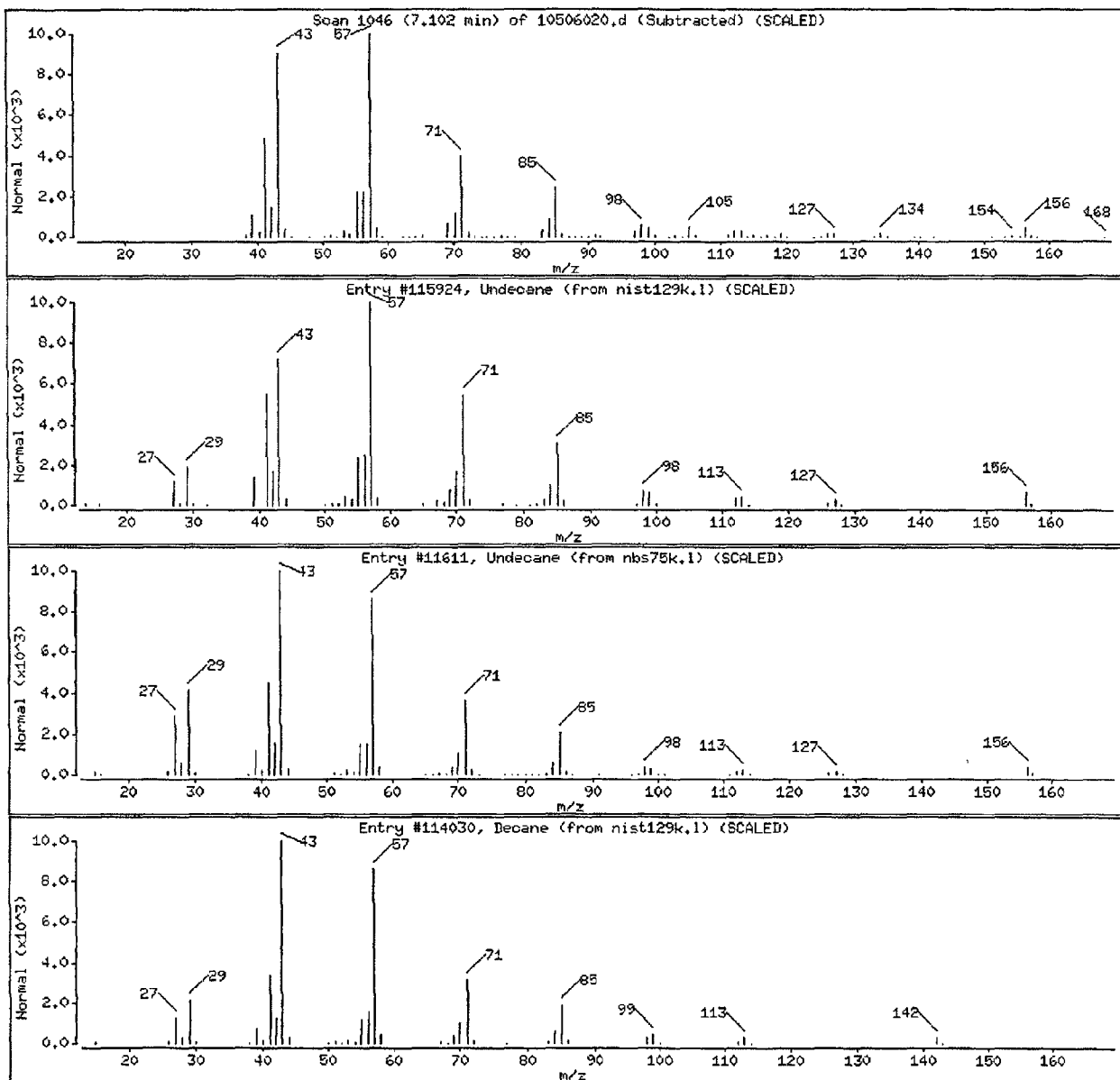
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nist129k.l	115924	94	C <sub>11</sub> H <sub>24</sub>	156
Undecane	1120-21-4	nbs75k.l	11611	94	C <sub>11</sub> H <sub>24</sub>	156
Decane	124-18-5	nist129k.l	114030	91	C <sub>10</sub> H <sub>22</sub>	142



CABOT-EPA 006565

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.0506020.d

Date : 06-MAY-2010 13:07

Client ID: 2H/4H-8

Instrument: 30msv1.1

Sample Info: 3027140021,,4.64

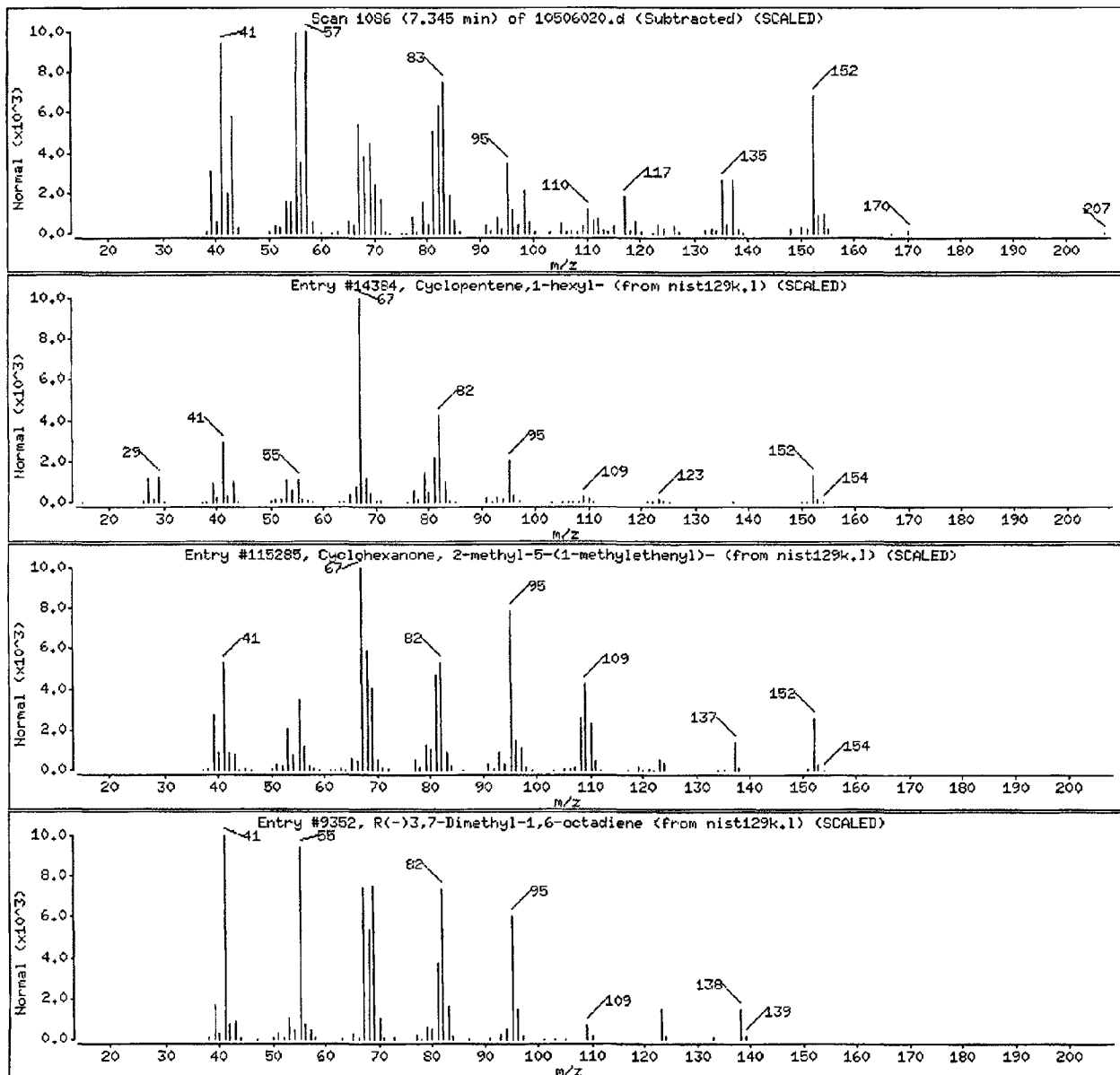
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclopentene,1-hexyl-	4291-99-0	nist129k.1	14384	46	C11H20	152
Cyclohexanone, 2-methyl-5-(1-methylethen	7764-50-3	nist129k.1	115285	46	C10H16O	152
R(-)-3,7-Dimethyl-1,6-octadiene	10281-56-8	nist129k.1	9352	42	C10H18	138



CABOT-EPA 006566

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

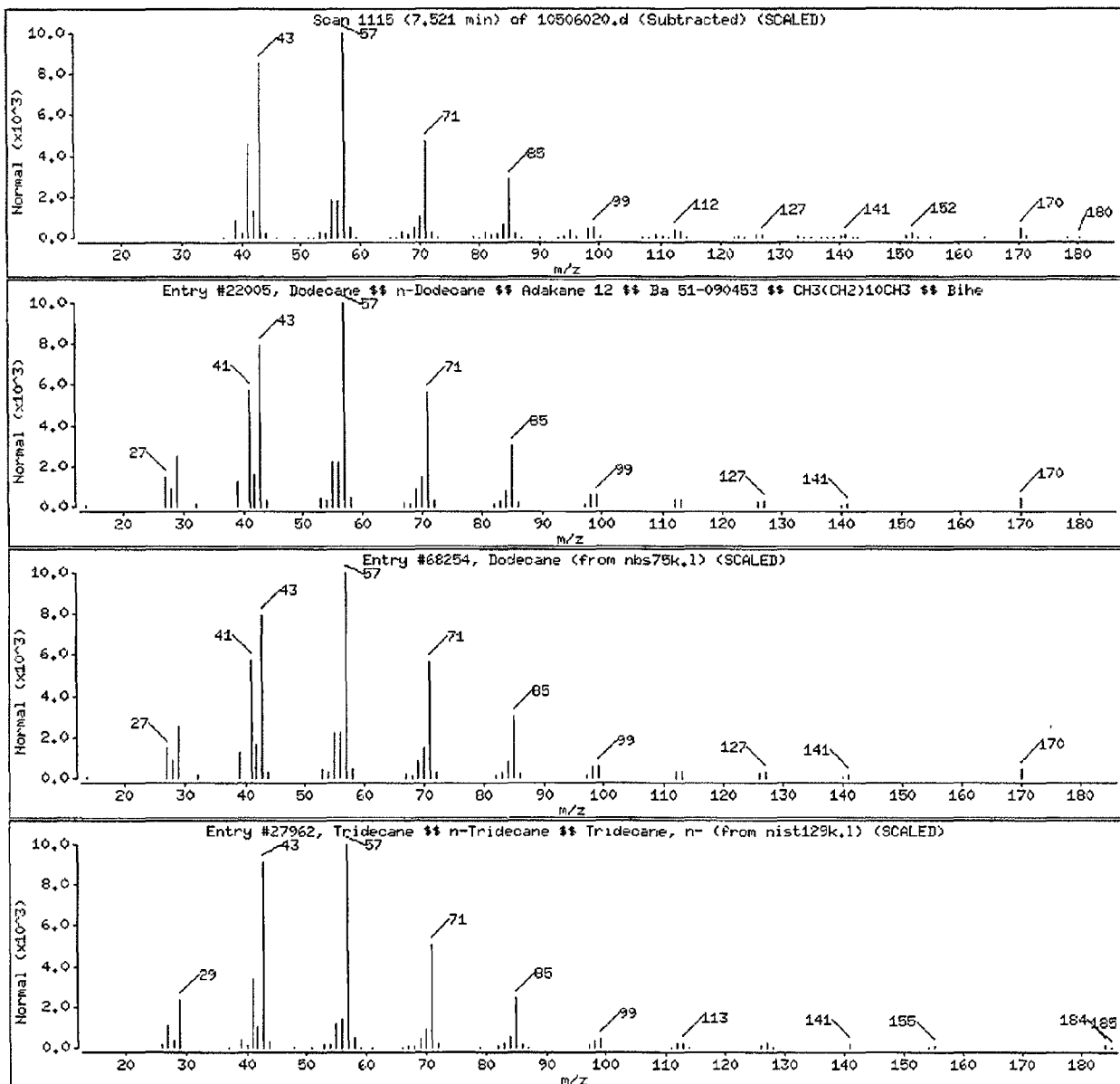
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane $\$$ n-Dodecane $\$$ Adakane 12 $\$$	112-40-3	nist129k.1	22005	97	C <sub>12</sub> H <sub>26</sub>	170
Dodecane	112-40-3	nbs75k.1	68254	97	C <sub>12</sub> H <sub>26</sub>	170
Tridecane $\$$ n-Tridecane $\$$ Tridecane, n	629-50-5	nist129k.1	27962	86	C <sub>13</sub> H <sub>28</sub>	184



CABOT-EPA 006567

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.1

Sample Info: 3027140021,,4.64

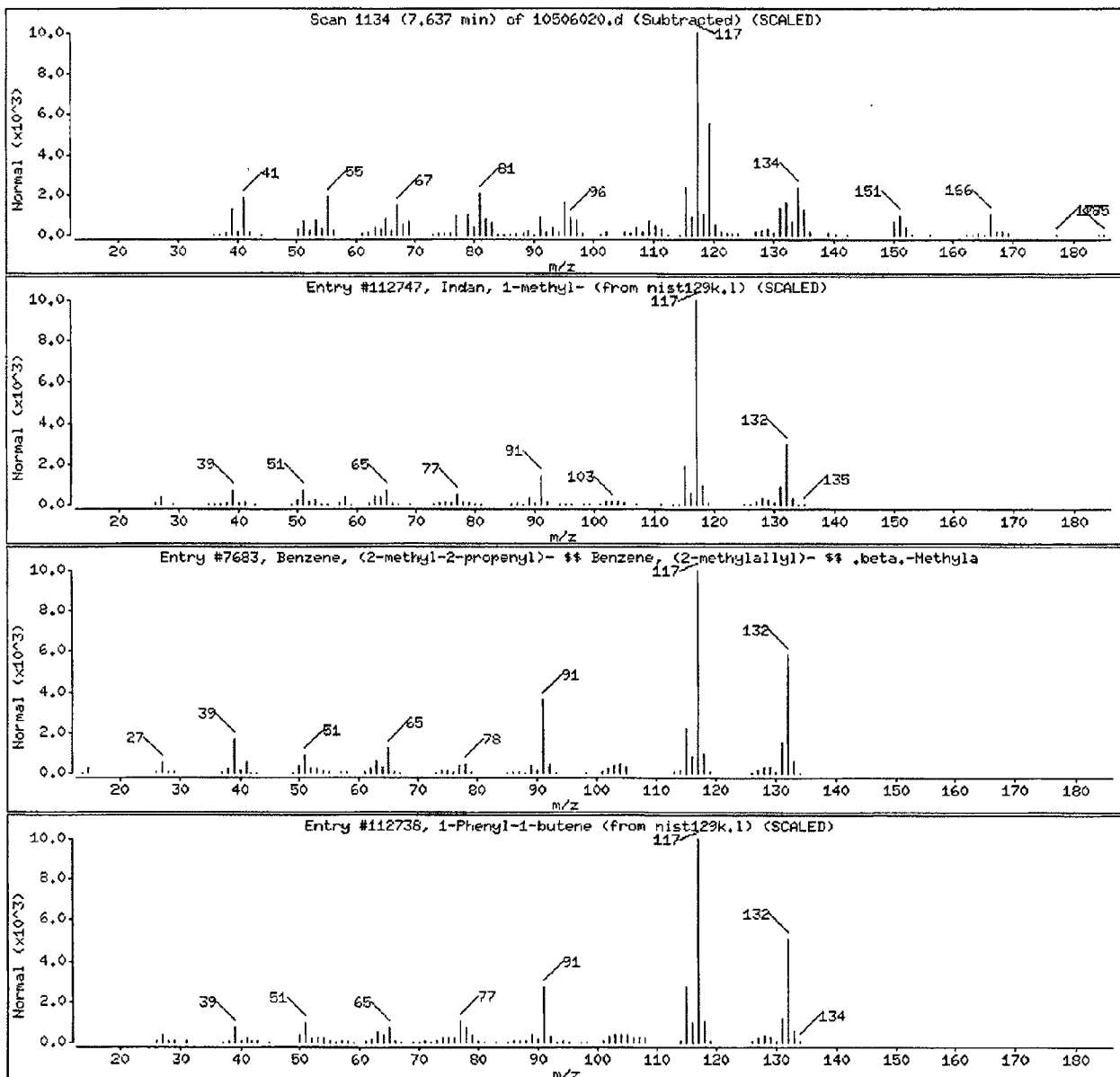
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Indan, 1-methyl-	767-58-8	nist129k.1	112747	55	C10H12	132
Benzene, (2-methyl-2-propenyl)- \$ Benze	3290-53-7	nist129k.1	7683	49	C10H12	132
1-Phenyl-1-butene	824-90-8	nist129k.1	112738	46	C10H12	132



CABOT-EPA 006568



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

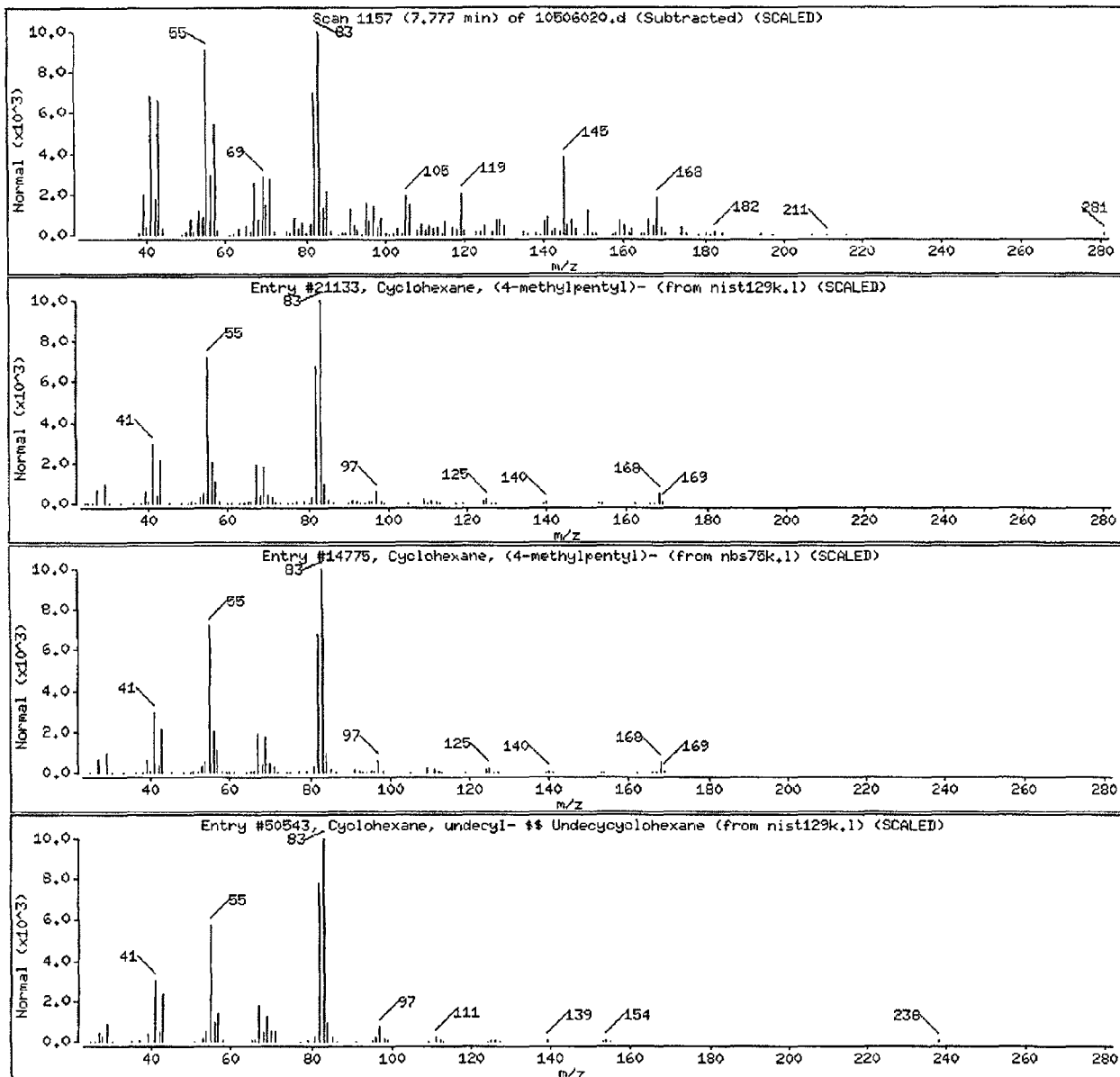
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, (4-methylpentyl)-	61142-20-9	nist129k.1	21133	55	C12H24	168
Cyclohexane, (4-methylpentyl)-	61142-20-9	nbs75k.1	14775	55	C12H24	168
Cyclohexane, undecyl- $\neq$ Undecycyclohexa	84105-66-7	nist129k.1	50543	43	C17H34	238



CABOT-EPA 006569

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021,,4.64

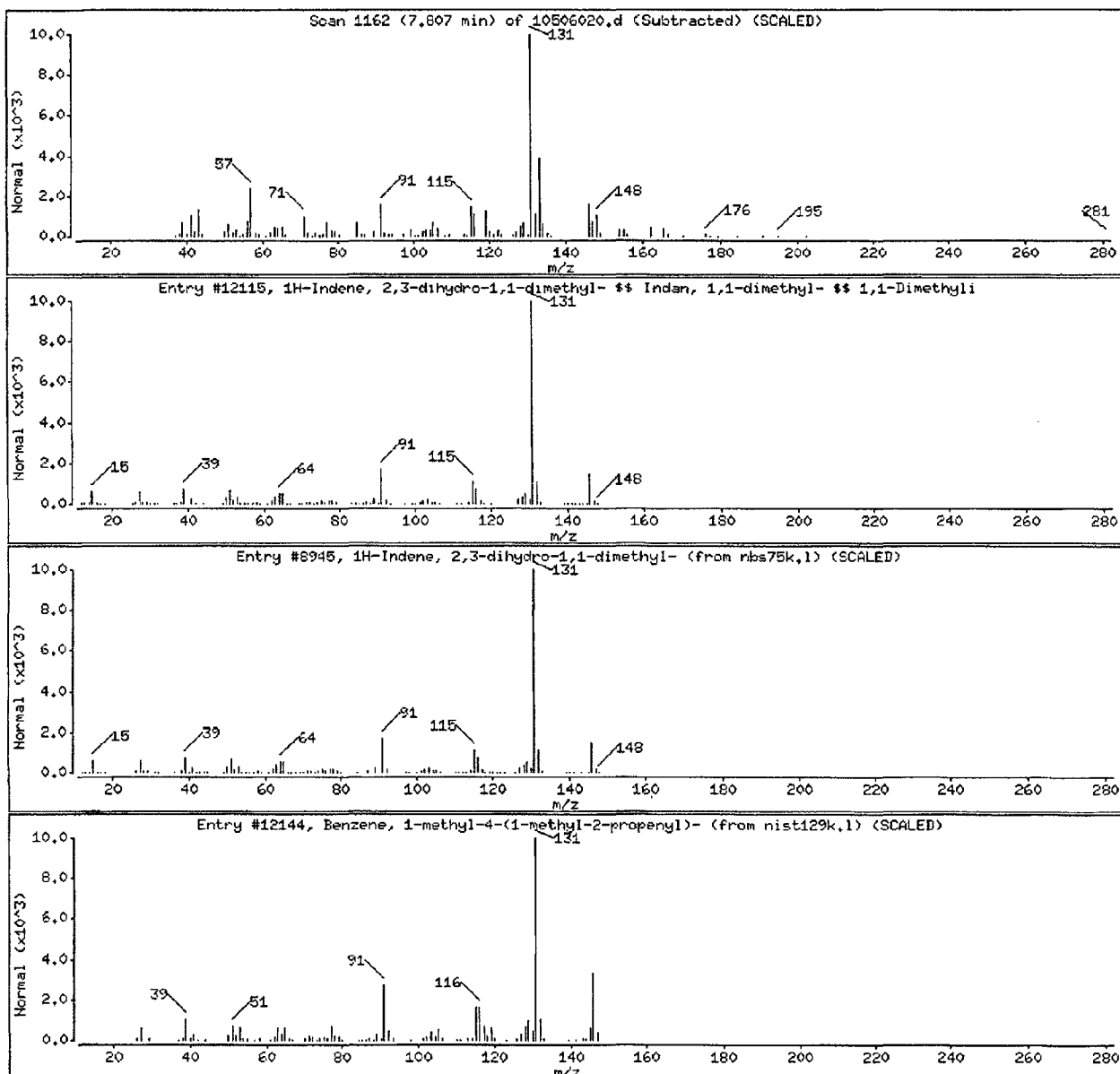
Purge Volume: 4.6

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Indene, 2,3-dihydro-1,1-dimethyl- \$\$	4912-92-9	nist129k.1	12115	60	C11H14	146
1H-Indene, 2,3-dihydro-1,1-dimethyl-	4912-92-9	nbs75k.1	8945	60	C11H14	146
Benzene, 1-methyl-4-(1-methyl-2-propenyl)	97664-18-1	nist129k.1	12144	47	C11H14	146



CABOT-EPA 006570

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506020.d

Date : 06-MAY-2010 19:07

Client ID: 2H/4H-8

Instrument: 30msv1.i

Sample Info: 3027140021.,4.64

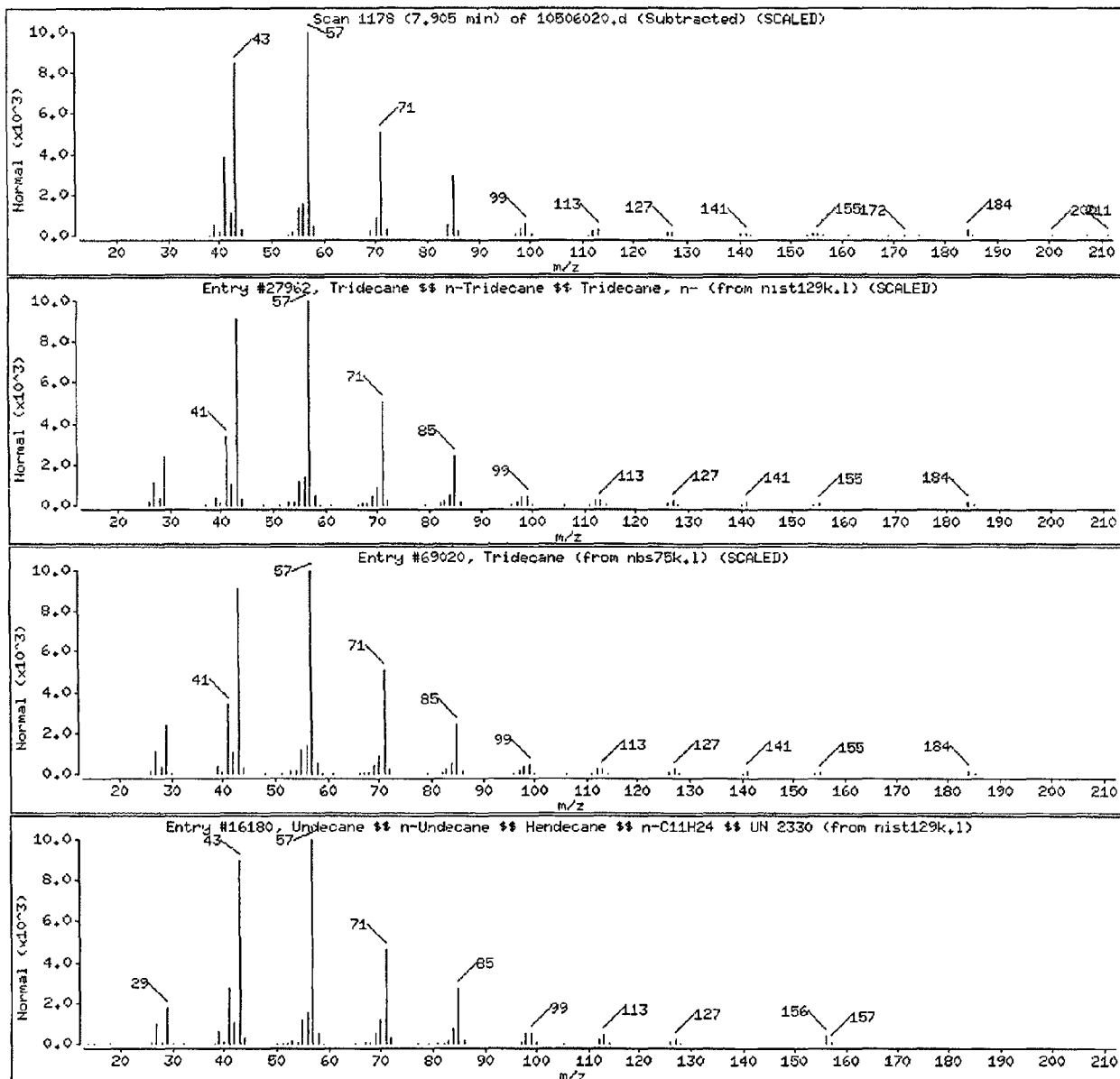
Purge Volume: 4.6

Operator: JEM

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tridecane $\% n$ -Tridecane $\% \text{Tridecane, n}$	629-50-5	nist129k.1	27962	94	C13H28	184
Tridecane	629-50-5	nbs75k.1	69020	94	C13H28	184
Undecane $\% n$ -Undecane $\% \text{Hendecane } \% n$	1120-21-4	nist129k.1	16180	91	C11H24	156



CABOT-EPA 006571

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-9

Lab Name: Contract: 2H/4H-9

Lab Code: Case No.: SAS No.: SDG No.: 3027140

Matrix: (soil/water) SOIL Lab Sample ID: 3027140023

Sample wt/vol: 5.0 (g/mL) G Lab File ID: 50510009

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: not dec. 75 Date Analyzed: 05/10/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 12

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1120-21-4	UNDECANE	7.02	93.0	NJ
2.	UNKNOWN	7.26	99.2	J
3. 112-40-3	DODECANE \$\$ N-DODECANE \$\$ AD	7.45	57.7	NJ
4.	UNKNOWN	7.51	121	J
5. 767-58-8	INDAN, 1-METHYL-	7.57	102	NJ
6.	UNKNOWN	7.69	102	J
7.	UNKNOWN	7.75	83.4	J
8. 629-50-5	TRIDECANE	7.84	86.3	NJ
9. 2809-64-5	NAPHTHALENE, 1,2,3,4-TETRAHY	8.03	96.1	NJ
10. 25419-33-4	NAPHTHALENE, 1,2,3,4-TETRAHY	8.09	74.1	NJ
11. 4175-54-6	NAPHTHALENE, 1,2,3,4-TETRAHY	8.24	52.6	NJ
12.	UNKNOWN	8.37	53.8	J
13.				
14.				
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FORM I VOA-TIC

CABOT-EPA 006572

Data File: \\30vintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.1

Sample Info: 3027140023,,2.97

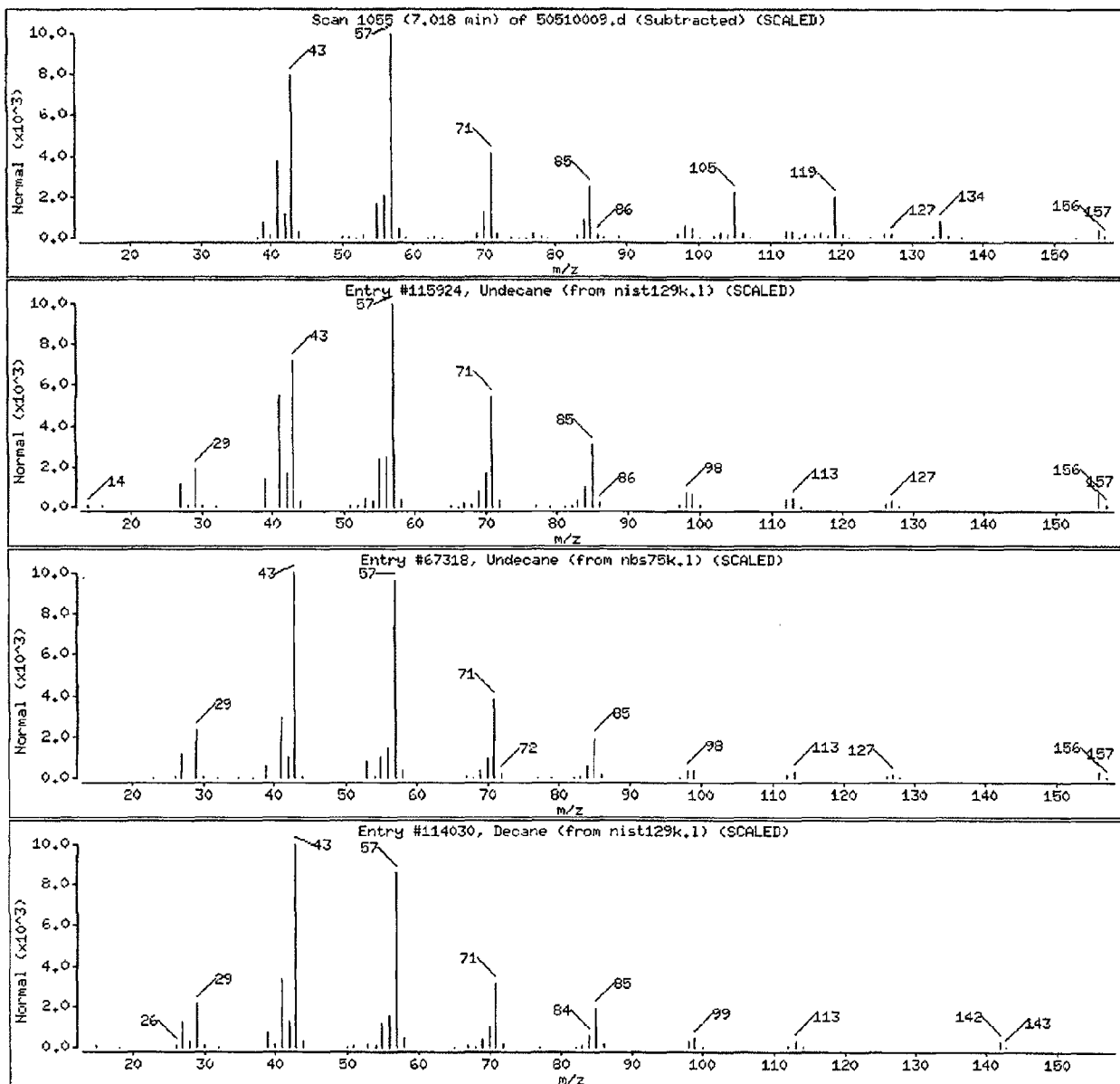
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nist129k.1	115924	92	C <sub>11</sub> H <sub>24</sub>	156
Undecane	1120-21-4	nbs75k.1	67318	86	C <sub>11</sub> H <sub>24</sub>	156
Decane	124-18-5	nist129k.1	114030	50	C <sub>10</sub> H <sub>22</sub>	142



CABOT-EPA 006573

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2,97

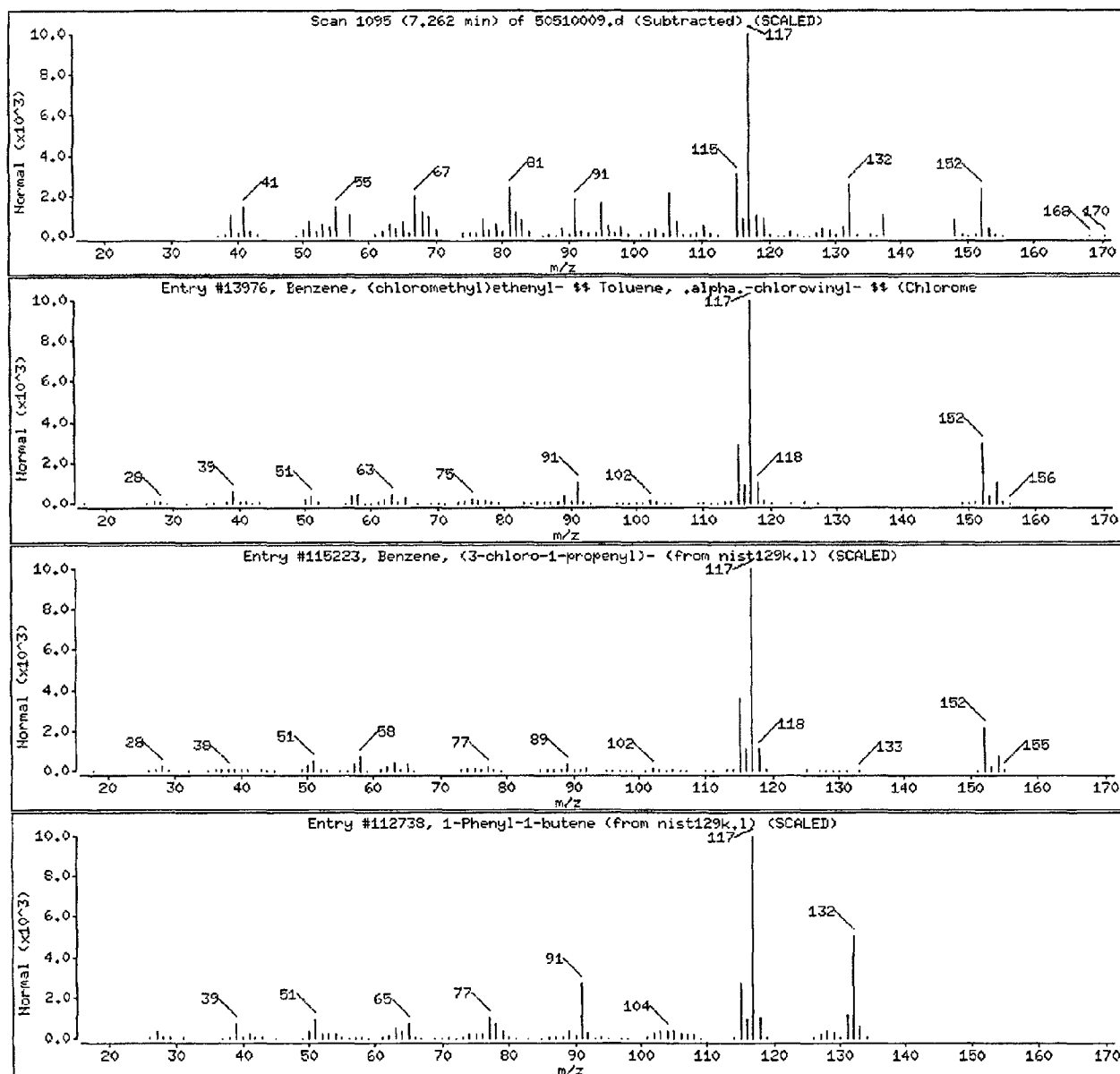
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, (chloromethyl)ethenyl- $\beta$ Toluene	30030-25-2	nist129k.1	13976	60	C <sub>9</sub> H <sub>9</sub> Cl	152
Benzene, (3-chloro-1-propenyl)-	2687-12-9	nist129k.1	115223	60	C <sub>9</sub> H <sub>9</sub> Cl	152
1-Phenyl-1-butene	824-90-8	nist129k.1	112738	60	C <sub>10</sub> H <sub>12</sub>	132



CABOT-EPA 006574

Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

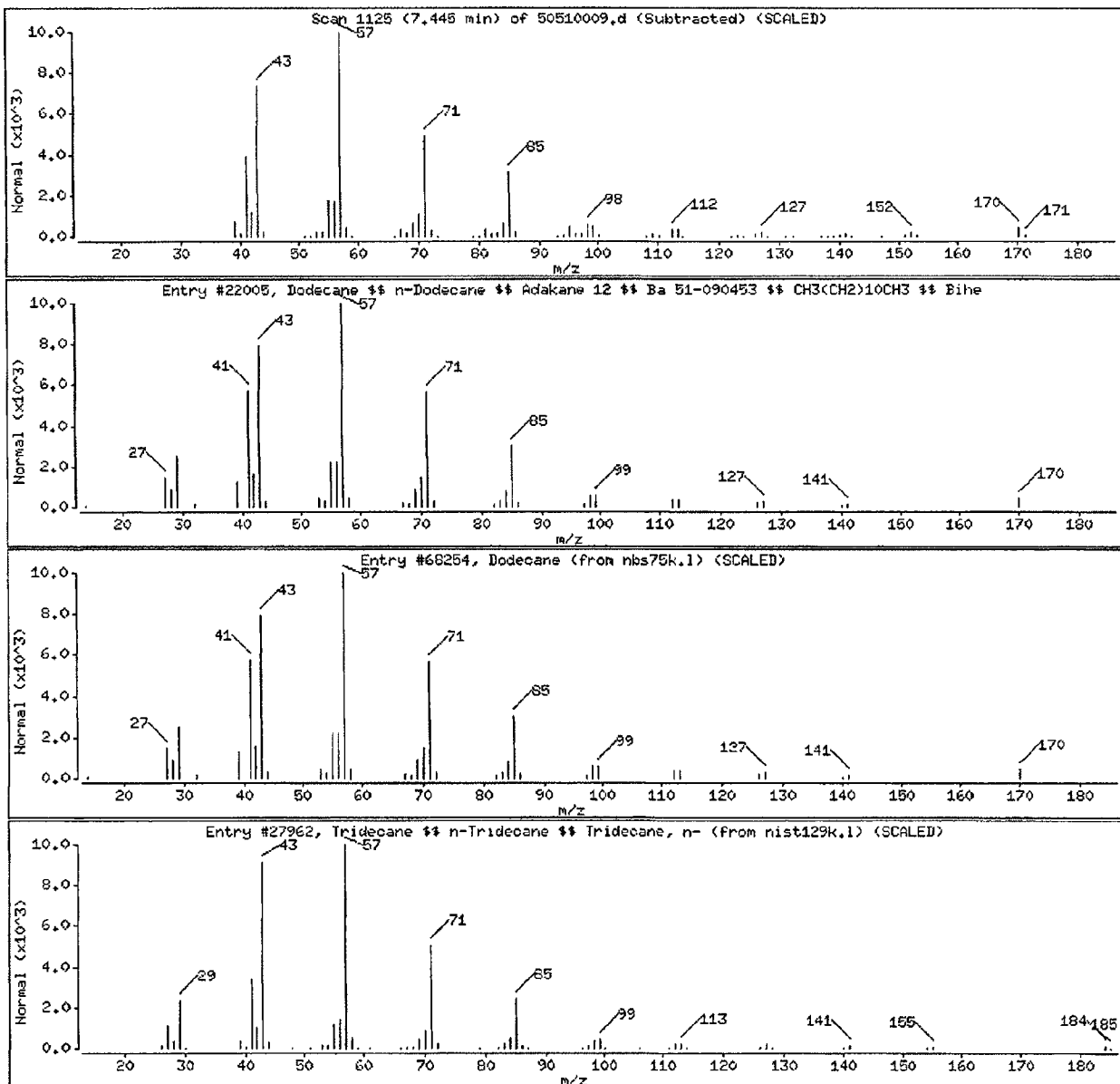
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane $\$$ n-Dodecane $\$$ Adakane 12 $\$$	112-40-3	nist129k.1	22005	96	C <sub>12</sub> H <sub>26</sub>	170
Dodecane	112-40-3	nbs75k.1	68254	96	C <sub>12</sub> H <sub>26</sub>	170
Tridecane $\$$ n-Tridecane $\$$ Tridecane, n	629-50-5	nist129k.1	27962	86	C <sub>13</sub> H <sub>28</sub>	184



CABOT-EPA 006575



Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

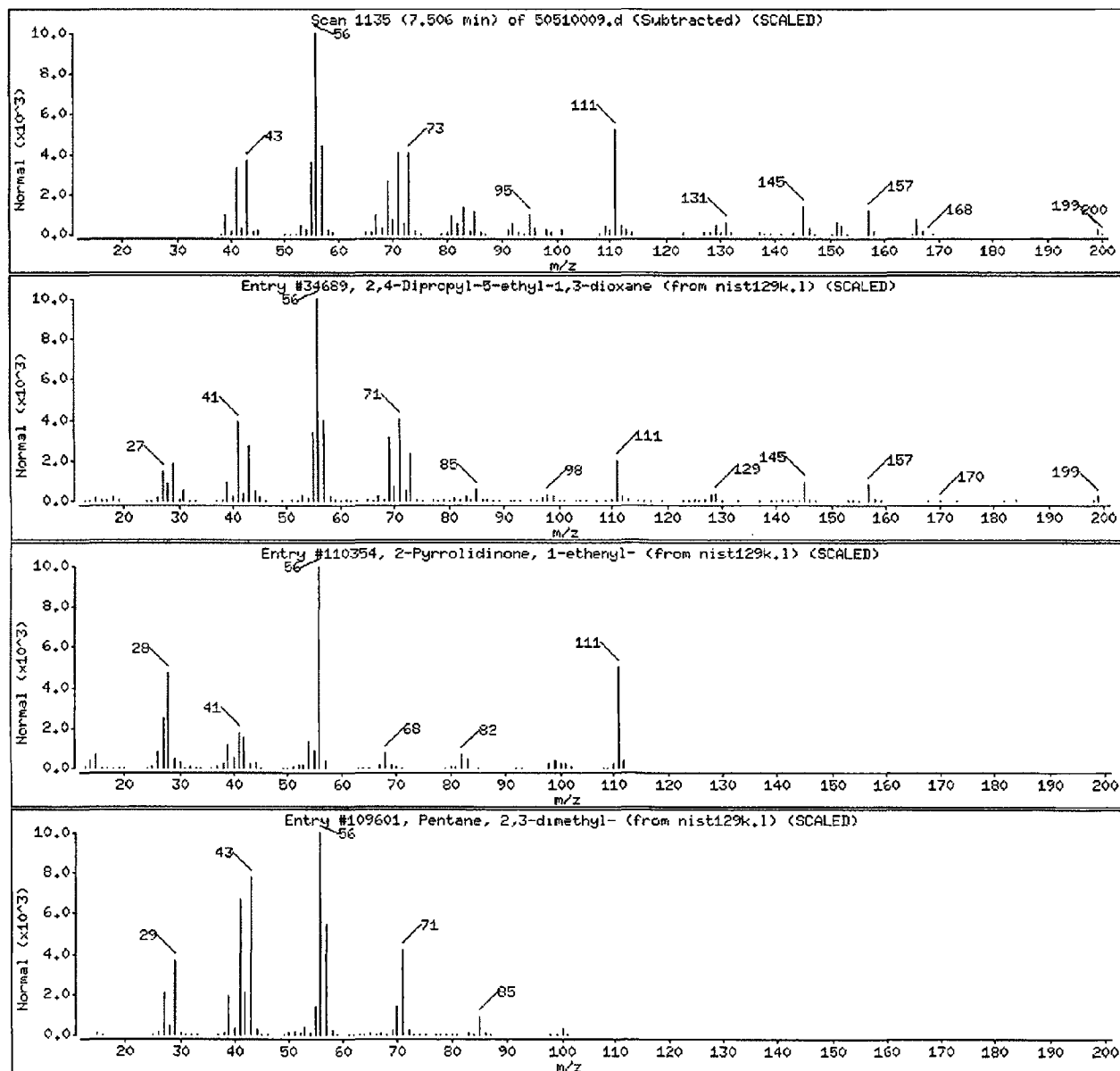
Purge Volume: 5.0

Operator: JEN

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,4-Dipropyl-5-ethyl-1,3-dioxane	0-00-0	nist129k.1	34689	64	C12H24O2	200
2-Pyrrolidinone, 1-ethenyl-	88-12-0	nist129k.1	110354	43	C6H9NO	111
Pentane, 2,3-dimethyl-	565-59-3	nist129k.1	109601	38	C7H16	100



CABOT-EPA 006576

Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.50510009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.1

Sample Info: 3027140023,,2.97

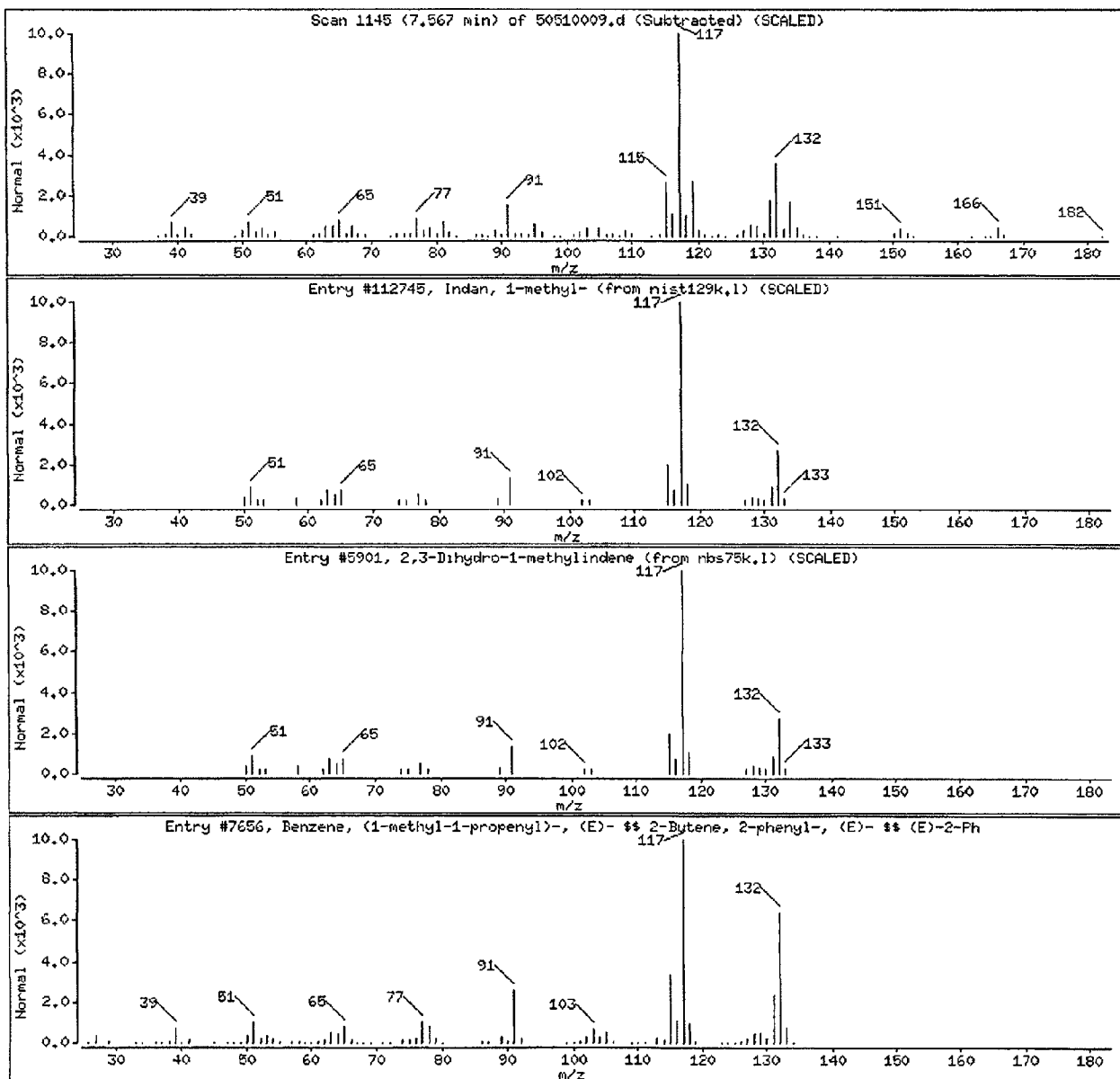
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Indan, 1-methyl-	767-58-8	nist129k.1	112745	94	C10H12	132
2,3-Dihydro-1-methylindene	27133-93-3	nbs75k.1	5901	94	C10H12	132
Benzene, (1-methyl-1-propenyl)-, (E)- %	768-00-3	nist129k.1	7656	76	C10H12	132



CABOT-EPA 006577

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.1

Sample Info: 3027140023,,2,97

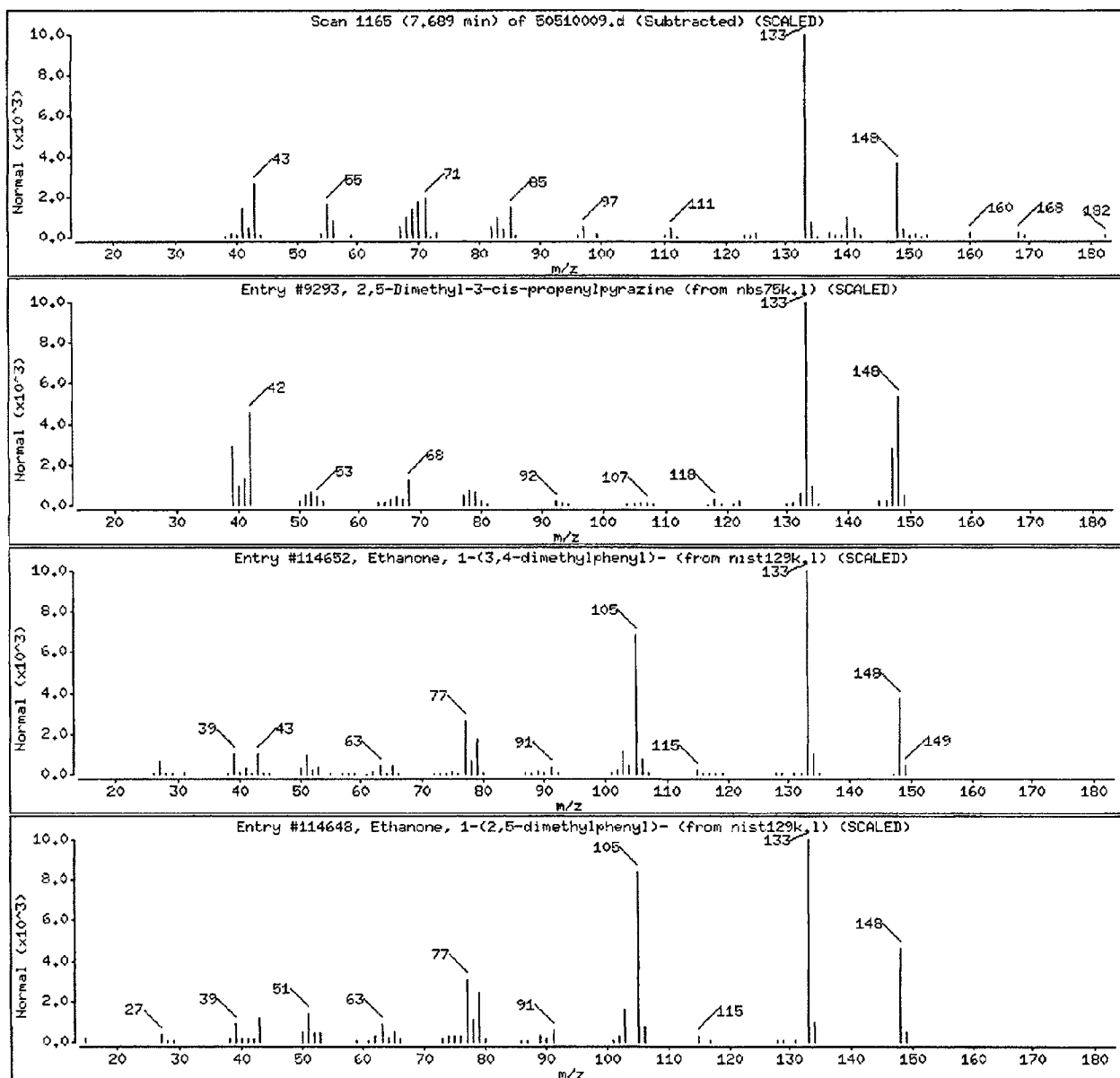
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
2,5-Dimethyl-3-cis-propenylpyrazine	0-00-0	nbs75k.l	9293	53	C9H12N2	148
Ethanone, 1-(3,4-dimethylphenyl)-	3637-01-2	nist129k.l	114652	42	C10H12O	148
Ethanone, 1-(2,5-dimethylphenyl)-	2142-73-6	nist129k.l	114648	42	C10H12O	148



CABOT-EPA 006578

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

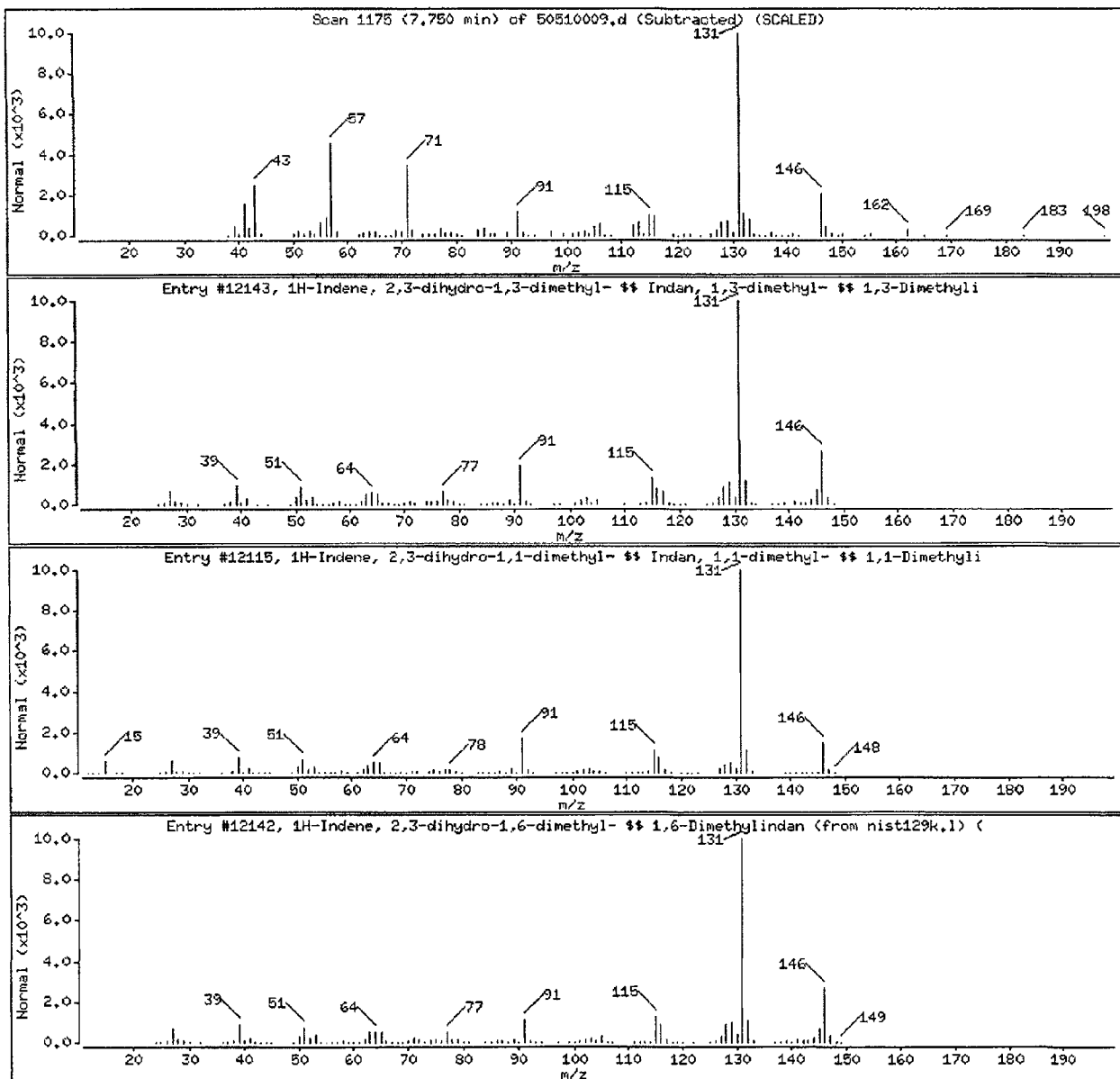
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1H-Indene, 2,3-dihydro-1,3-dimethyl- **	4175-53-5	nist129k.1	12143	87	C11H14	146
1H-Indene, 2,3-dihydro-1,1-dimethyl- **	4912-92-9	nist129k.1	12115	87	C11H14	146
1H-Indene, 2,3-dihydro-1,6-dimethyl- **	17059-48-2	nist129k.1	12142	87	C11H14	146



CABOT-EPA 006579

Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.1

Sample Info: 3027140023,,2.97

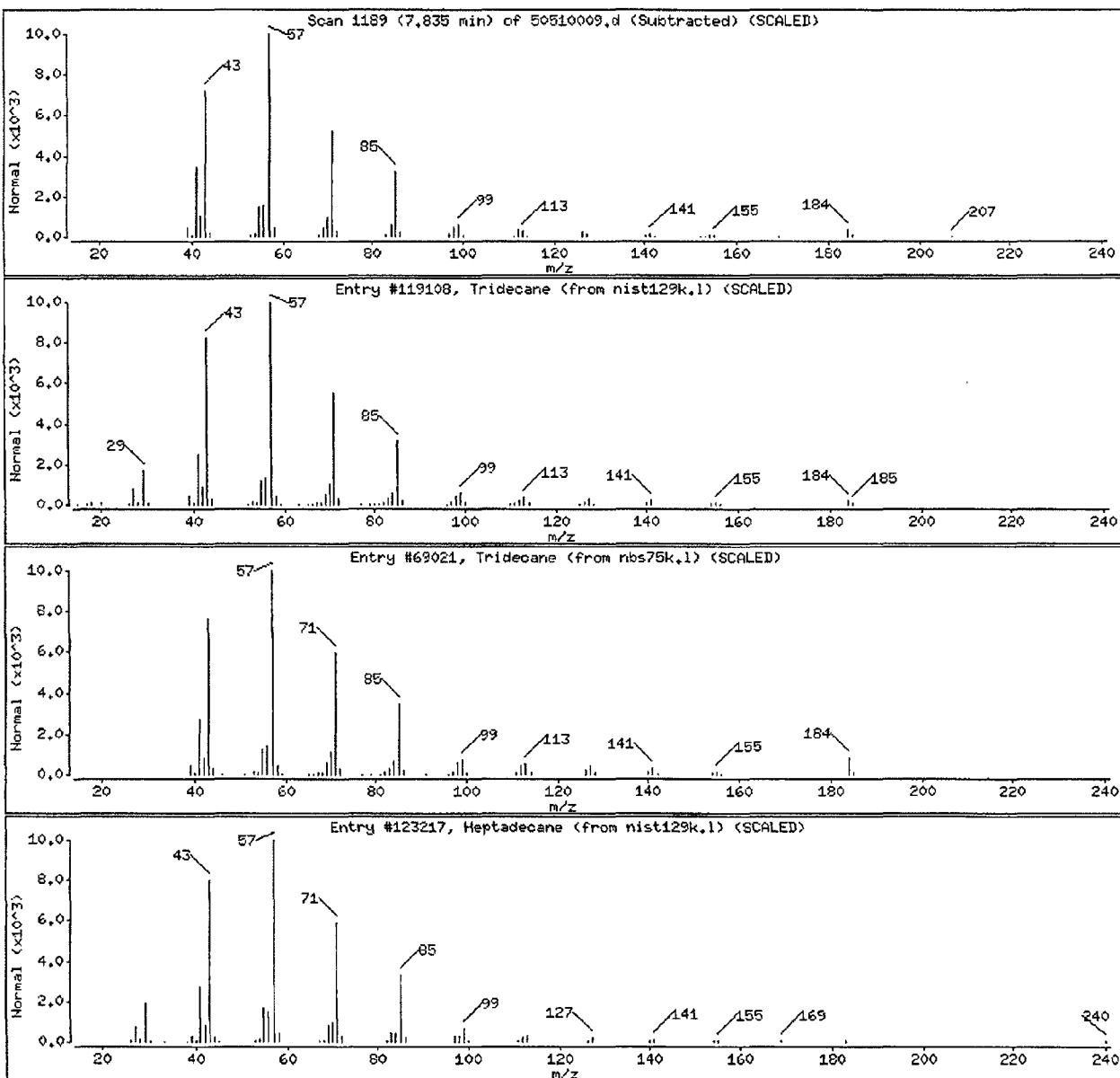
Purge Volume: 5.0

Operator: JEN

Column Phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tridecane	629-50-5	nist129k.l	119108	94	C13H28	184
Tridecane	629-50-5	nbs75k.l	69021	94	C13H28	184
Heptadecane	629-78-7	nist129k.l	123217	90	C17H36	240



CABOT-EPA 006580

Data File: \\30wintarget\chem\30nsv5.i\5100510.b\L.b\50510009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30nsv5.i

Sample Info: 3027140023,,2.97

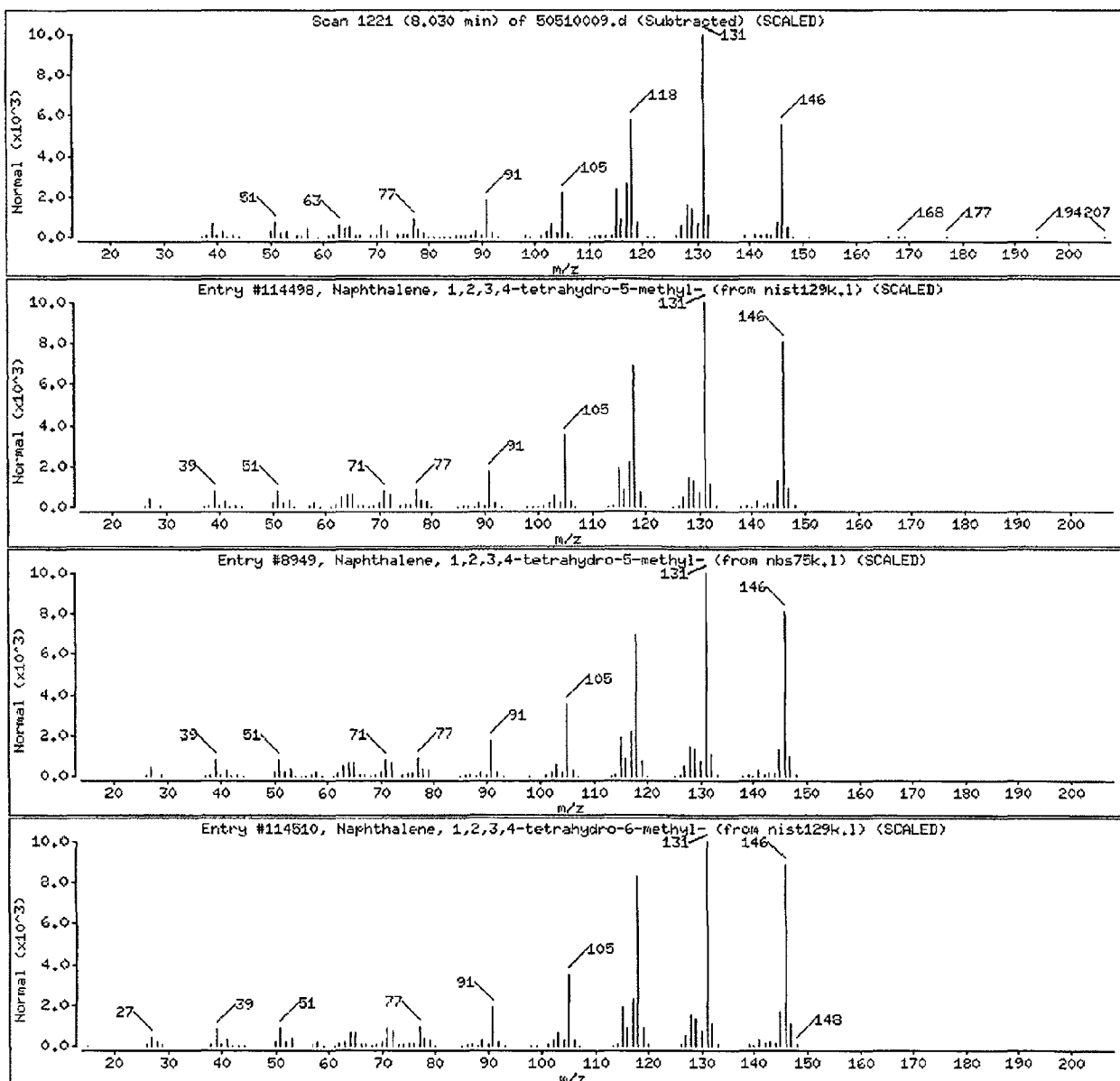
Purge Volume: 5.0

Operator: JEN

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nist129k.1	114498	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nbs75k.1	8949	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nist129k.1	114510	93	C11H14	146



CABOT-EPA 006581

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50510009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

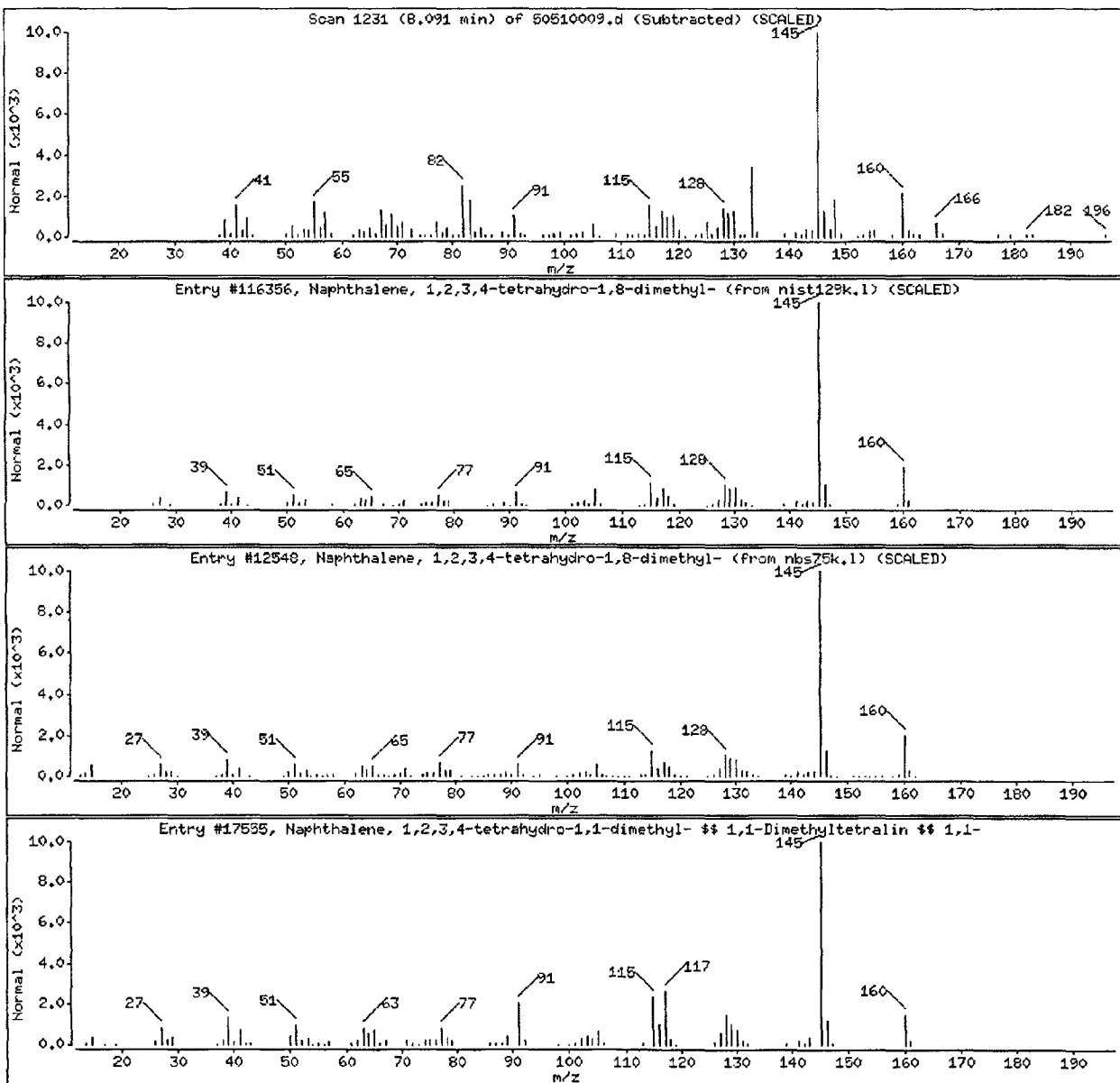
Purge Volume: 5.0

Operator: JEN

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-1,8-dime	25419-33-4	nist129k.1	116356	96	C12H16	160
Naphthalene, 1,2,3,4-tetrahydro-1,8-dime	25419-33-4	nbs75k.1	12548	89	C12H16	160
Naphthalene, 1,2,3,4-tetrahydro-1,1-dime	1985-59-7	nist129k.1	17555	86	C12H16	160



CABOT-EPA 006582



Data File: \\30wintarget\chem\30msv5.1\5100510.b\1.b\50510009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

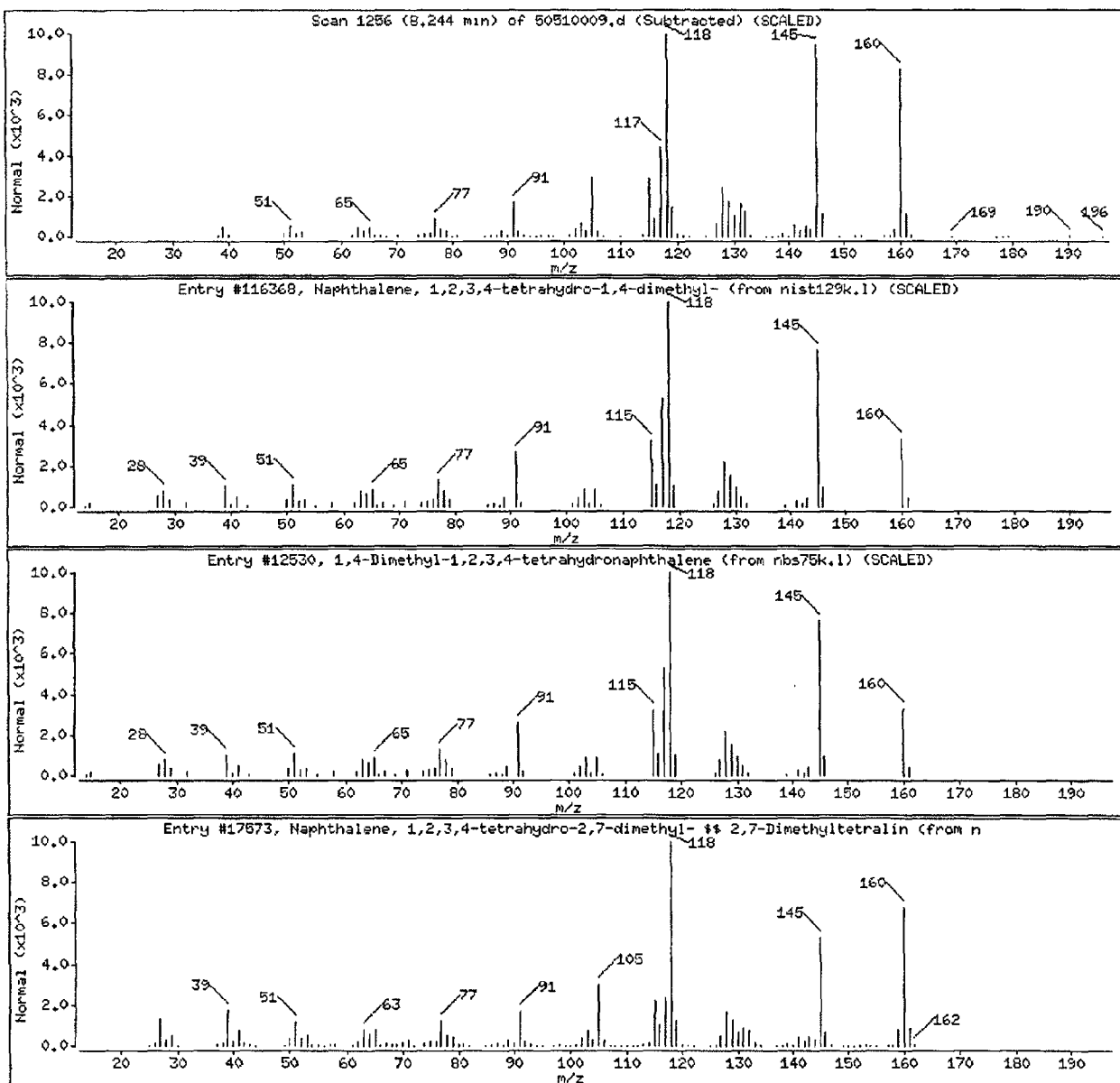
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-1,4-dime	4175-54-6	nist129k.l	116368	93	C12H16	160
1,4-Dimethyl-1,2,3,4-tetrahydronaphthale	0-00-0	nbs75k.l	12530	93	C12H16	160
Naphthalene, 1,2,3,4-tetrahydro-2,7-dime	13065-07-1	nist129k.l	17573	89	C12H16	160



CABOT-EPA 006583

Data File: \\30wintarget\chem\30msv5.i\5100510.b\1.b\50810009.d

Date : 10-MAY-2010 12:30

Client ID:

Instrument: 30msv5.i

Sample Info: 3027140023,,2.97

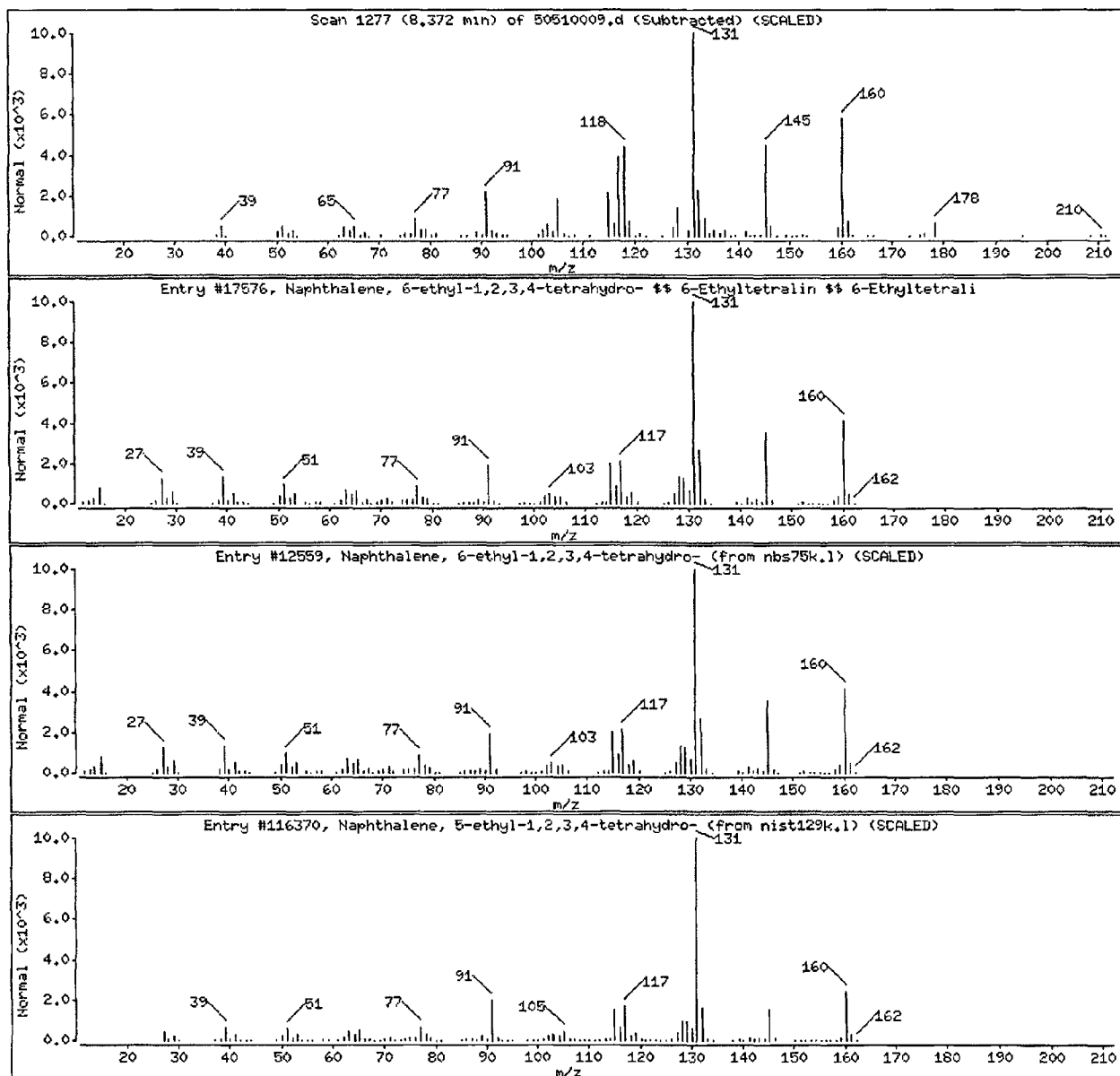
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Naphthalene, 6-ethyl-1,2,3,4-tetrahydro-	22531-20-0	nist129k.1	17576	76	C12H16	160
Naphthalene, 6-ethyl-1,2,3,4-tetrahydro-	22531-20-0	nbs75k.1	12559	76	C12H16	160
Naphthalene, 5-ethyl-1,2,3,4-tetrahydro-	42775-75-7	nist129k.1	116370	58	C12H16	160



CABOT-EPA 006584

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-10

Lab Name: Contract:   
 Lab Code: Case No.: SAS No.: SDG No.: 3027140A   
 Matrix: (soil/water) SOIL Lab Sample ID: 3027140011   
 Sample wt/vol: 5.3 (g/mL) G Lab File ID: 10506015   
 Level: (low/med) LOW Date Received: 05/05/10   
 % Moisture: not dec. 16 Date Analyzed: 05/06/10   
 GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0   
 Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 12 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.93	131	J
2.	UNKNOWN	0.98	198	J
3.	UNKNOWN	1.06	150	J
4.	UNKNOWN	1.12	233	J
5. 1120-21-4	UNDECANE	7.10	93.2	NJ
6.	UNKNOWN	7.34	44.9	J
7. 112-40-3	DODECANE	7.52	60.9	NJ
8.	UNKNOWN	7.56	35.7	J
9. 767-58-8	INDAN, 1-METHYL-	7.64	42.3	NJ
10. 629-50-5	TRIDECANE	7.91	54.8	NJ
11. 2809-64-5	NAPHTHALENE, 1,2,3,4-TETRAHY	8.09	40.7	NJ
12. 629-59-4	TETRADECANE	8.28	38.8	NJ
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FORM I VOA-TIC

CABOT-EPA 006585

Data File: \\30wintarget\chem\30msv1.i\10506010.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.1

Sample Info: 3027140011,,5.26

Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match

CAS Number Library

Entry

Quality

Formula

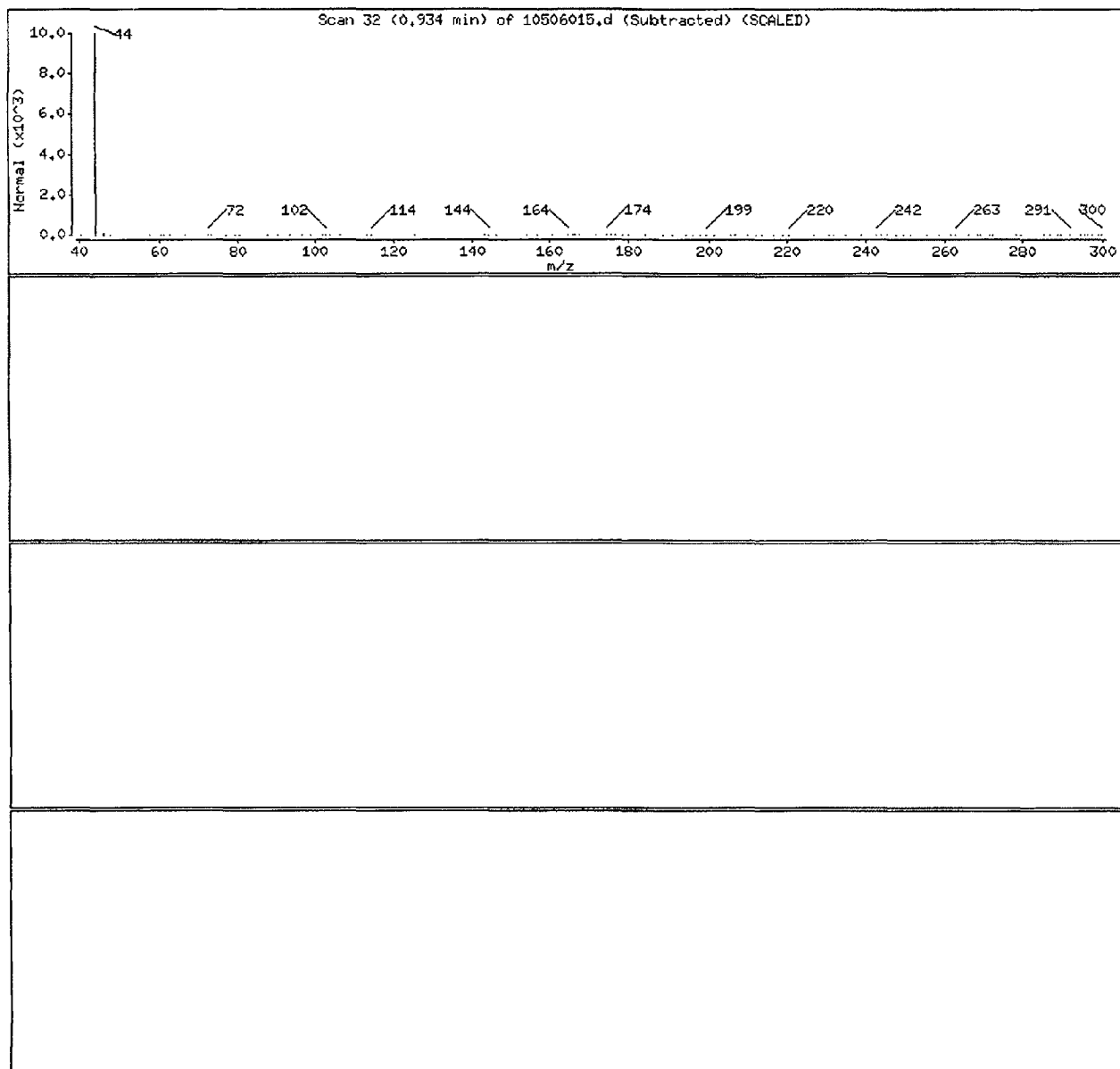
Weight

Unknown

0

0

0



CABOT-EPA 006586

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

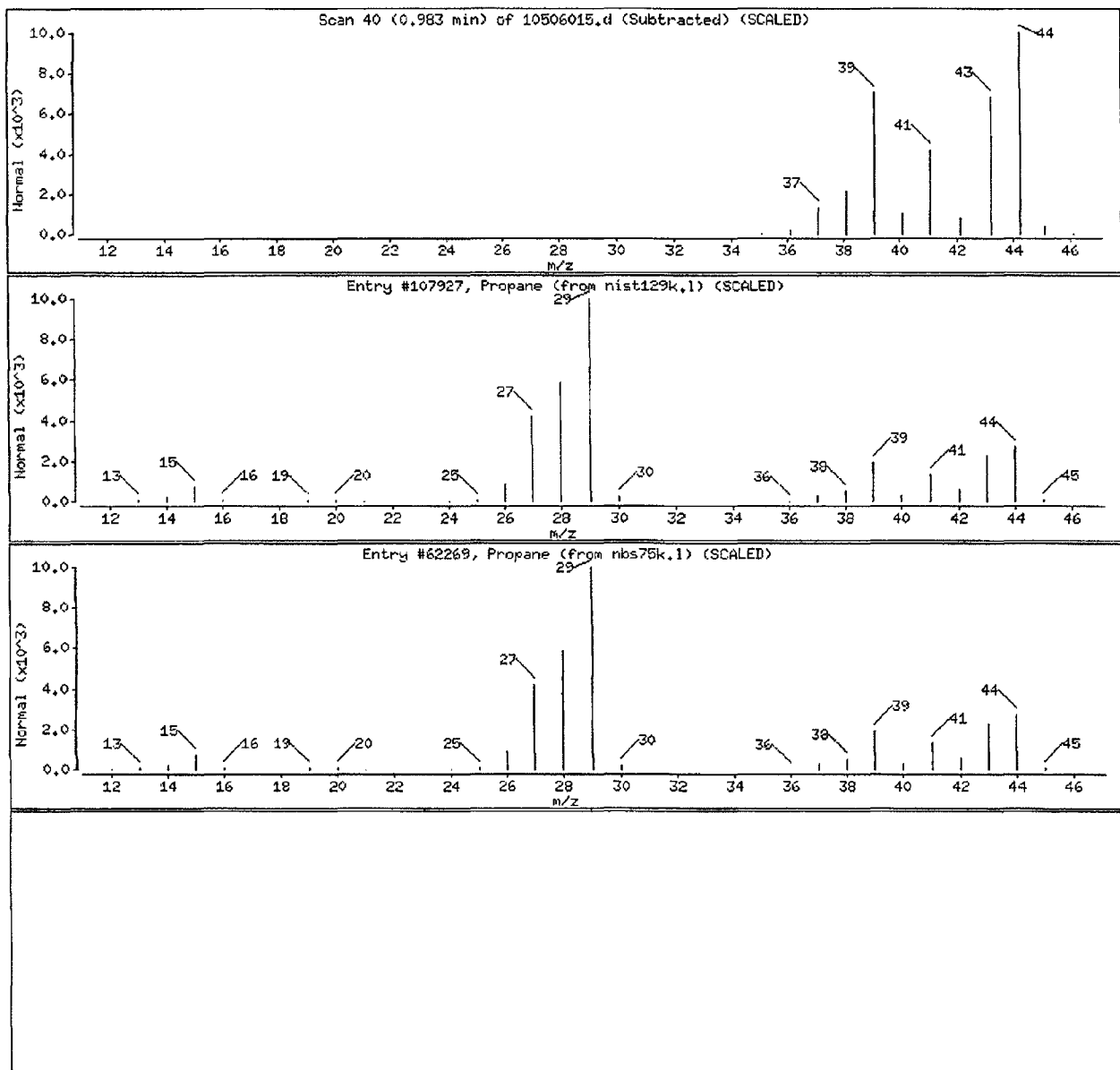
Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Propane	74-98-6	nist129k.1	107927	83	C3H8	44
Propane	74-98-6	nbs75k.1	62269	83	C3H8	44



CABOT-EPA 006587

Data File: \\30vintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5,26

Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match  
Unknown

Isobutane

Isobutane

CAS Number

75-28-5

75-28-5

Library

nist129k.1

nbs75k.1

Entry

108013

62335

Quality

64

64

Formula

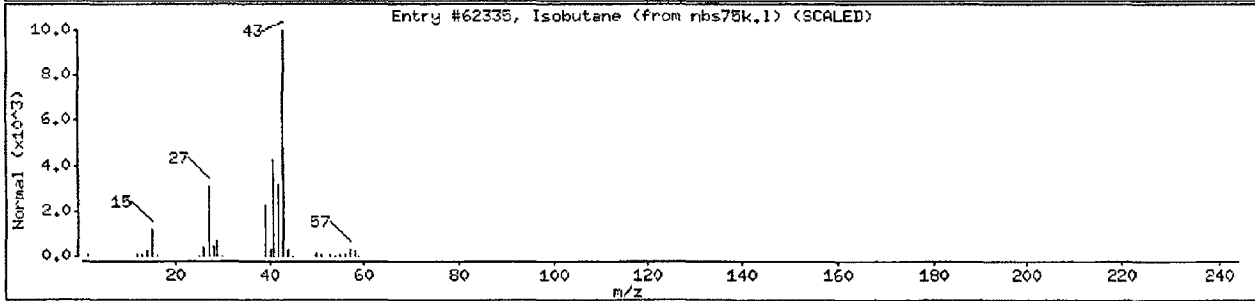
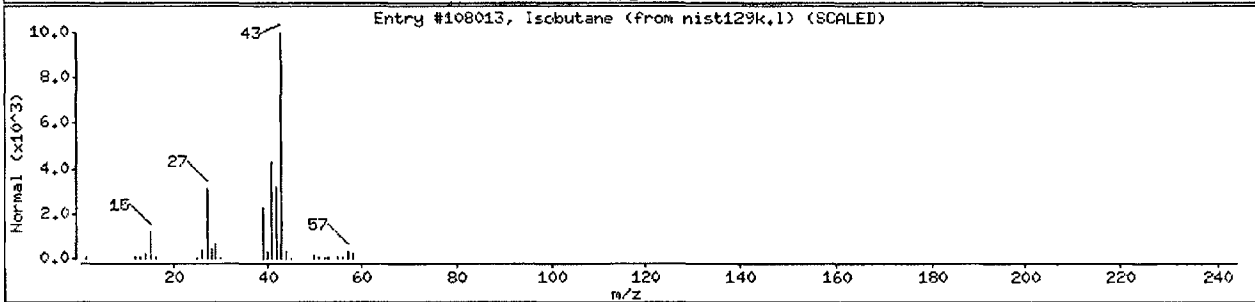
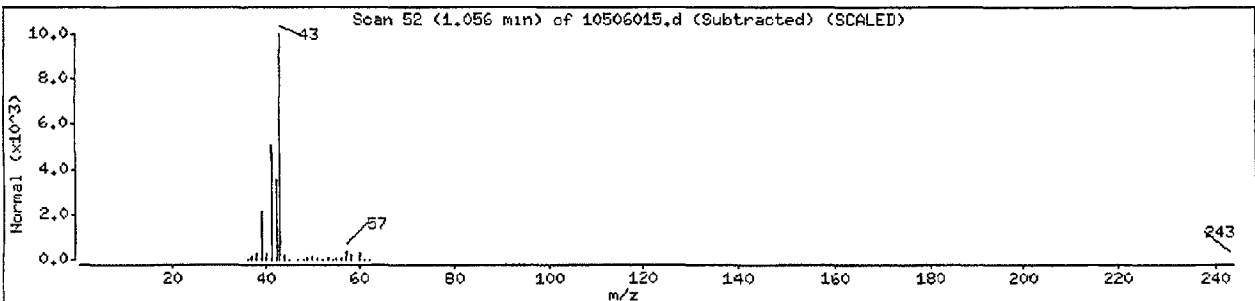
C4H10

C4H10

Weight

58

58



CABOT-EPA 006588

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

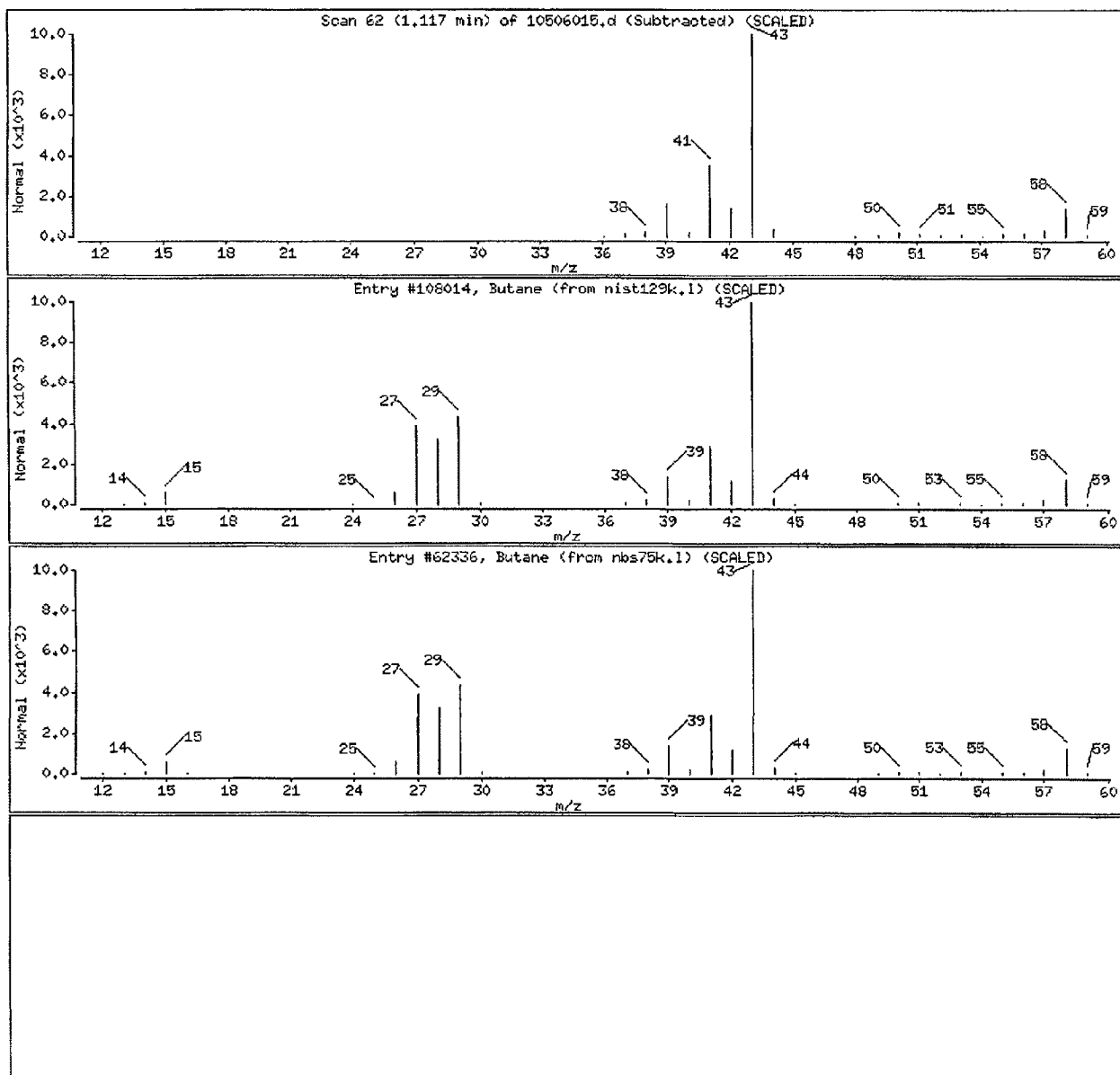
Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Butane	106-97-8	nist129k.1	108014	80	C4H10	58
Butane	106-97-8	nbs75k.1	62336	80	C4H10	58



CABOT-EPA 006589



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

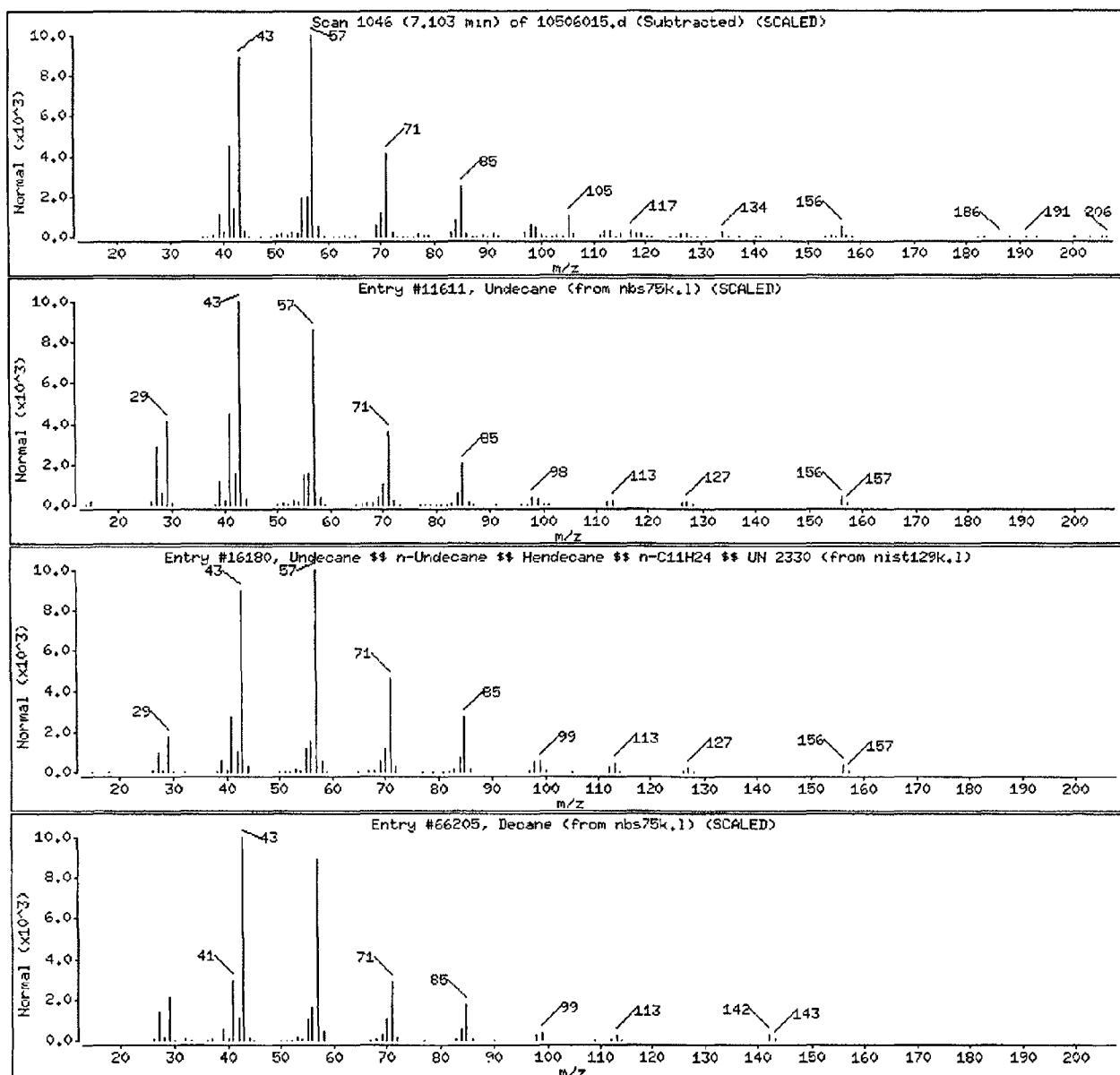
Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nbs75k.1	11611	95	C11H24	156
Undecane \$\$ n-Undecane \$\$ Hendecane \$\$ n	1120-21-4	nist129k.1	16180	94	C11H24	156
Decane	124-18-5	nbs75k.1	66205	86	C10H22	142



CABOT-EPA 006590

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5,26

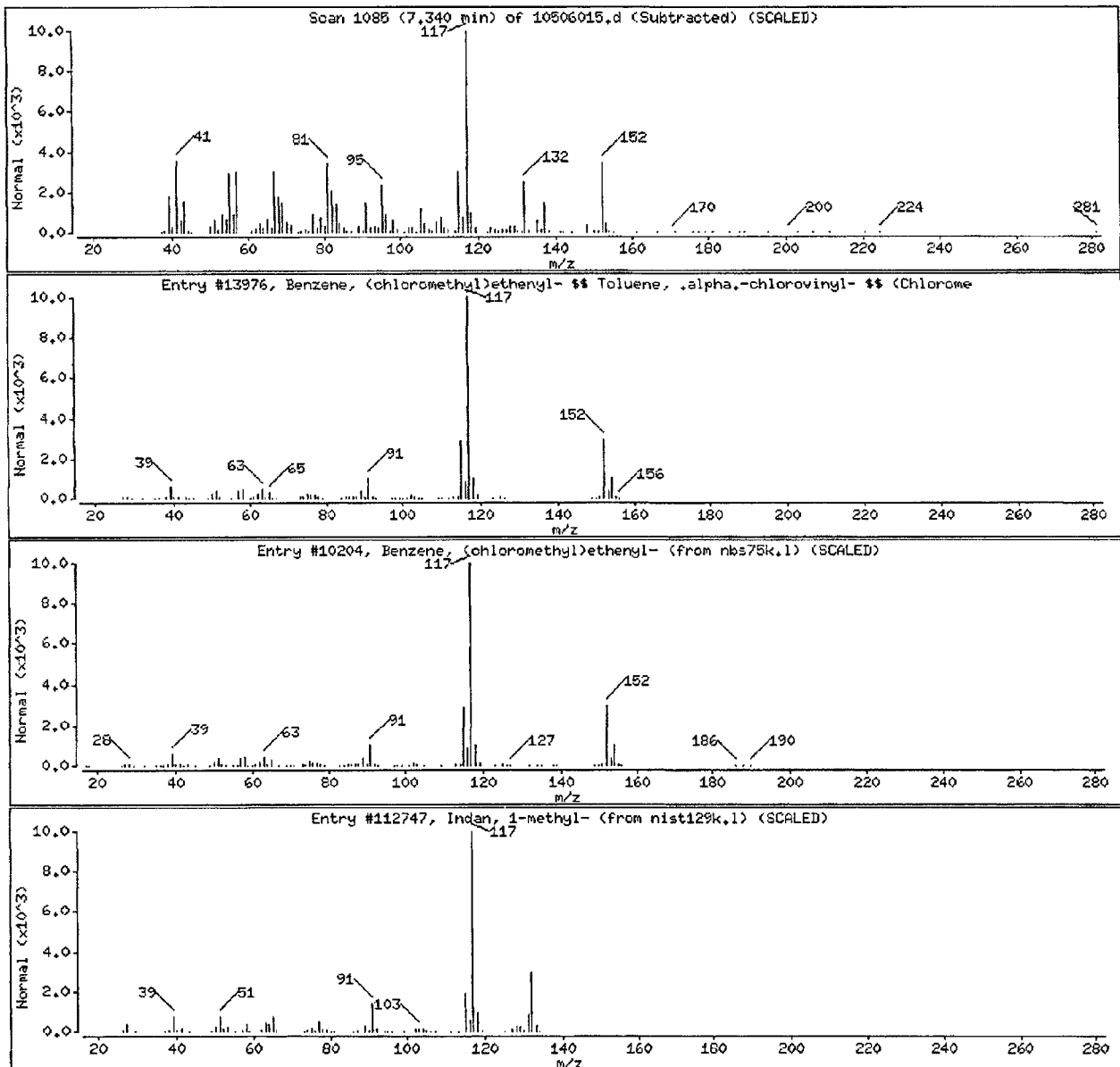
Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, (chloromethyl)ethenyl- $\neq$ Toluene	30030-25-2	nist129k.1	13976	55	C9H9Cl	152
Benzene, (chloromethyl)ethenyl-	30030-25-2	nbs75k.1	10204	55	C9H9Cl	152
Indan, 1-methyl-	767-58-8	nist129k.1	112747	50	C10H12	132



CABOT-EPA 006591

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

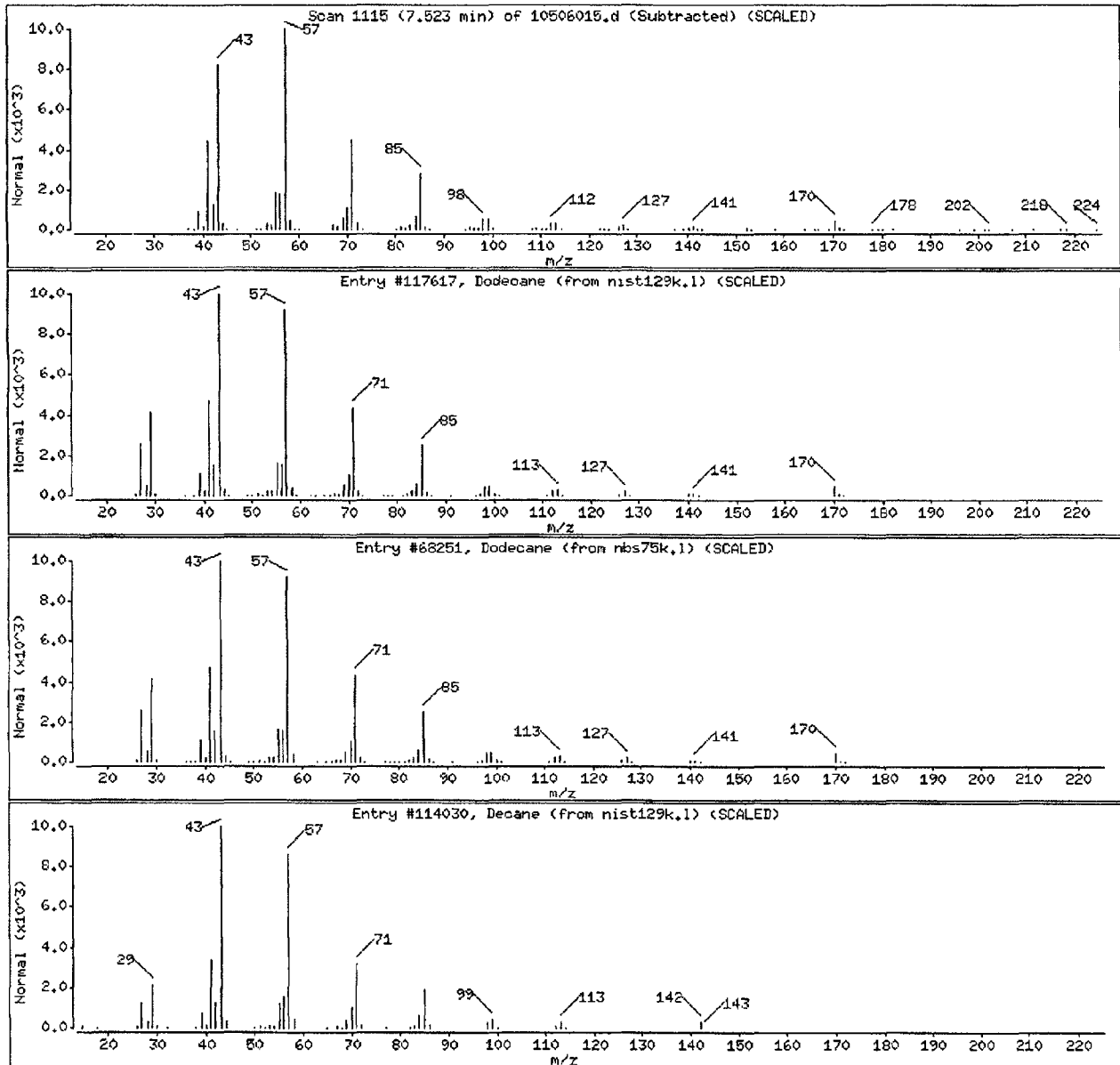
Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane	112-40-3	nist129k.1	117617	97	C12H26	170
Dodecane	112-40-3	nbs75k.1	68251	97	C12H26	170
Decane	124-18-5	nist129k.1	114030	90	C10H22	142



CABOT-EPA 006592

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.k\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.1

Sample Info: 3027140011,,5.26

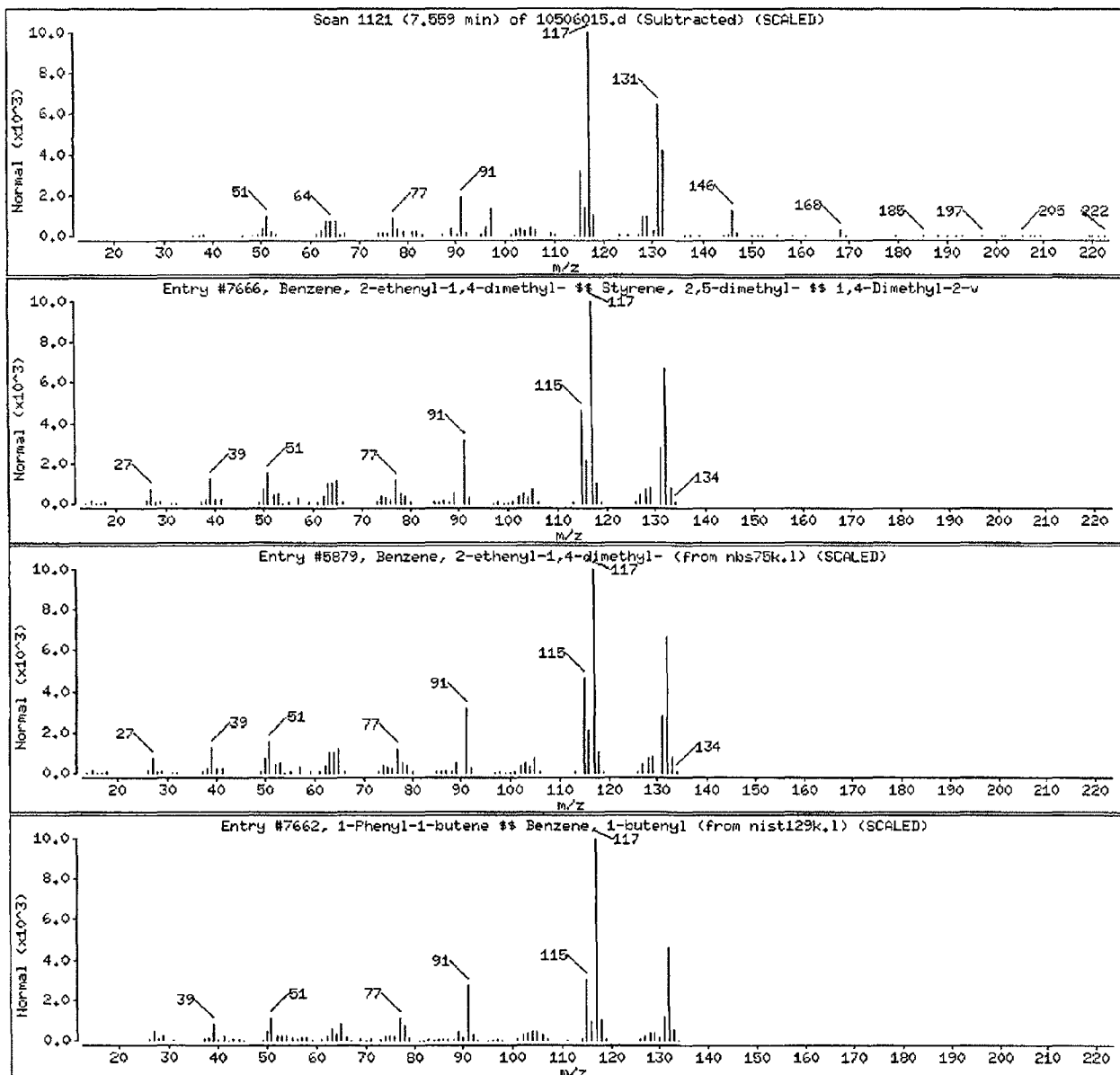
Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 2-ethenyl-1,4-dimethyl- \$\$ Styr	2039-89-6	nist129k.1	7666	87	C10H12	132
Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	nbs75k.1	5879	87	C10H12	132
1-Phenyl-1-butene \$\$ Benzene, 1-butenyl	824-90-8	nist129k.1	7662	70	C10H12	132



CABOT-EPA 006593

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5,26

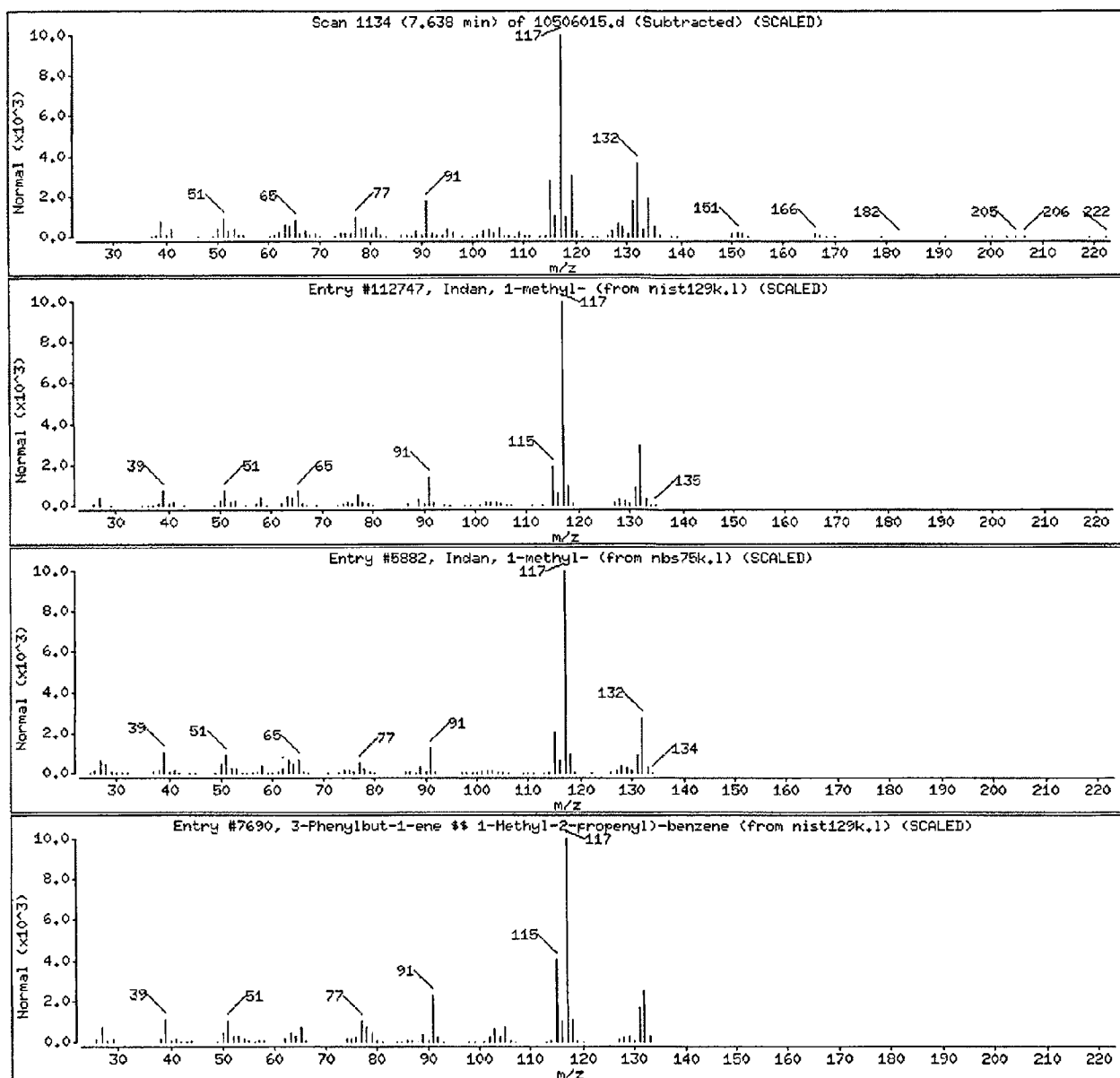
Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Indan, 1-methyl-	767-58-8	nist129k.1	112747	94	C10H12	132
Indan, 1-methyl-	767-58-8	nbs75k.1	5882	94	C10H12	132
3-Phenylbut-1-ene ## 1-Methyl-2-propenyl	934-10-1	nist129k.1	7690	93	C10H12	132



CABOT-EPA 006594

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

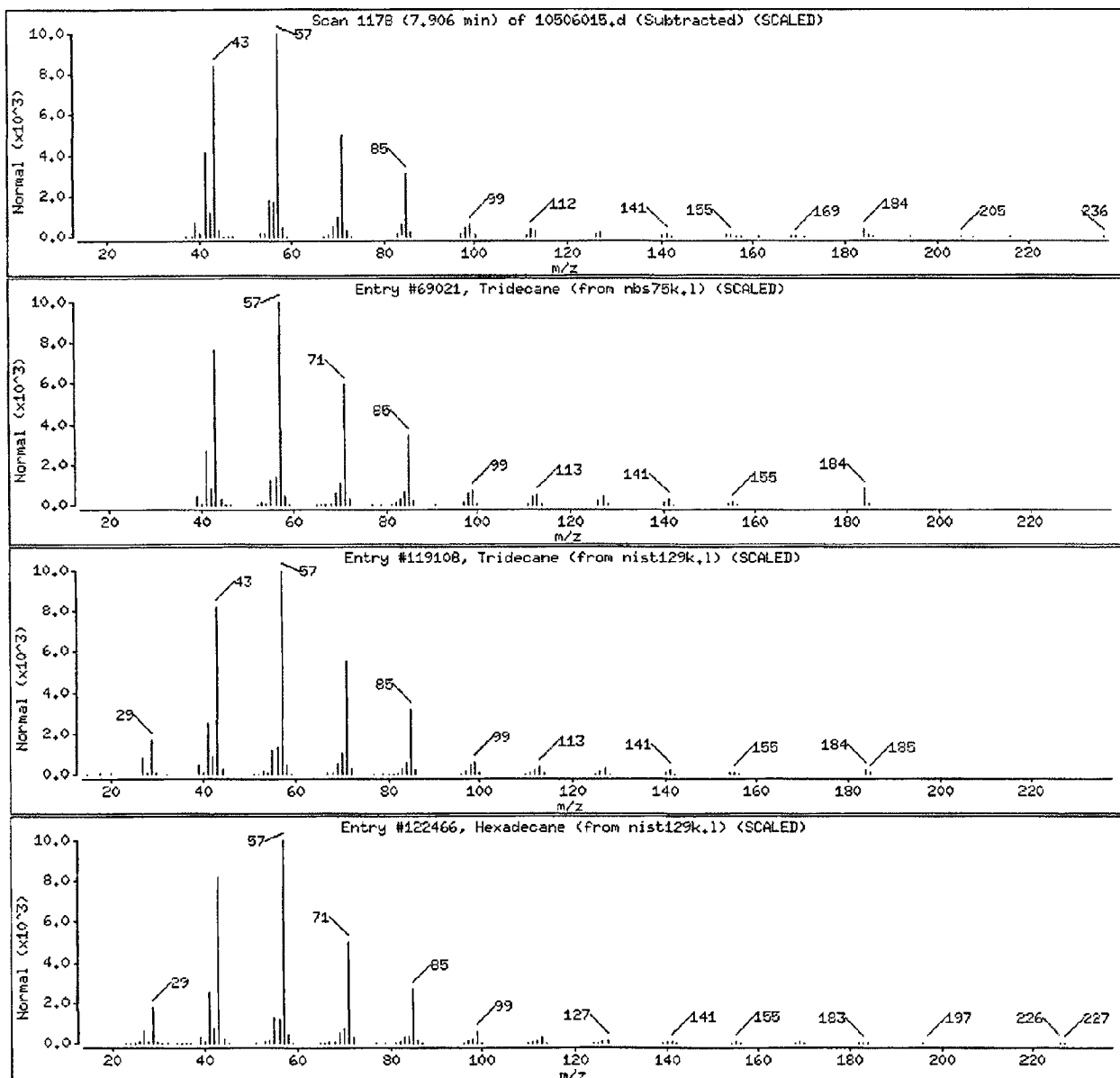
Purge Volume: 5.3

Operator: JEN

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tridecane	629-50-5	nbs75k.1	69021	95	C13H28	184
Tridecane	629-50-5	nist129k.1	119108	94	C13H28	184
Hexadecane	544-76-3	nist129k.1	122466	86	C16H34	226



CABOT-EPA 006595

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.0506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

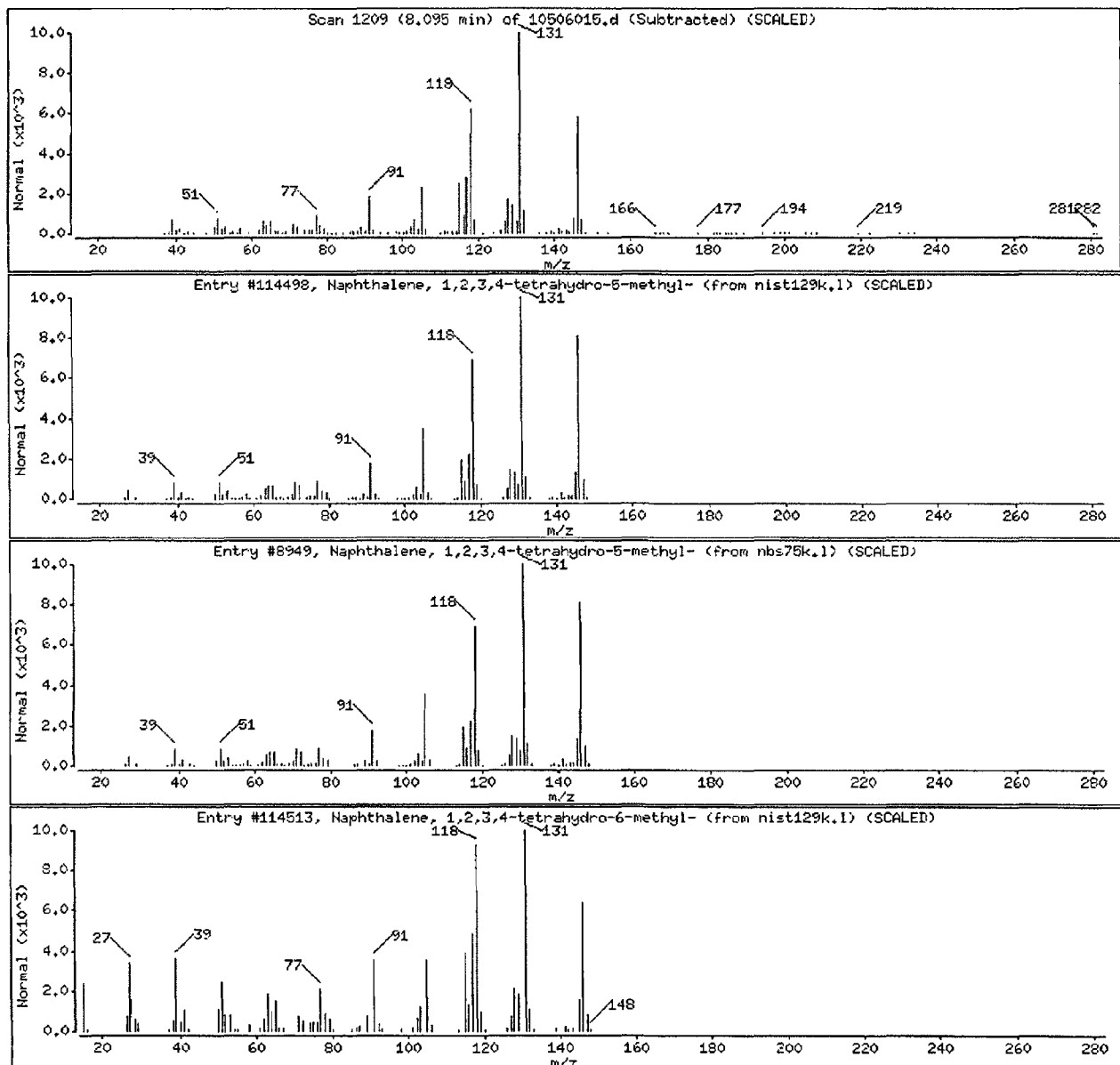
Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nist129k.1	114498	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nbs75k.1	8949	95	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nist129k.1	114513	94	C11H14	146



CABOT-EPA 006596



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506015.d

Date : 06-MAY-2010 17:06

Client ID: 2H/4H-10

Instrument: 30msv1.i

Sample Info: 3027140011,,5.26

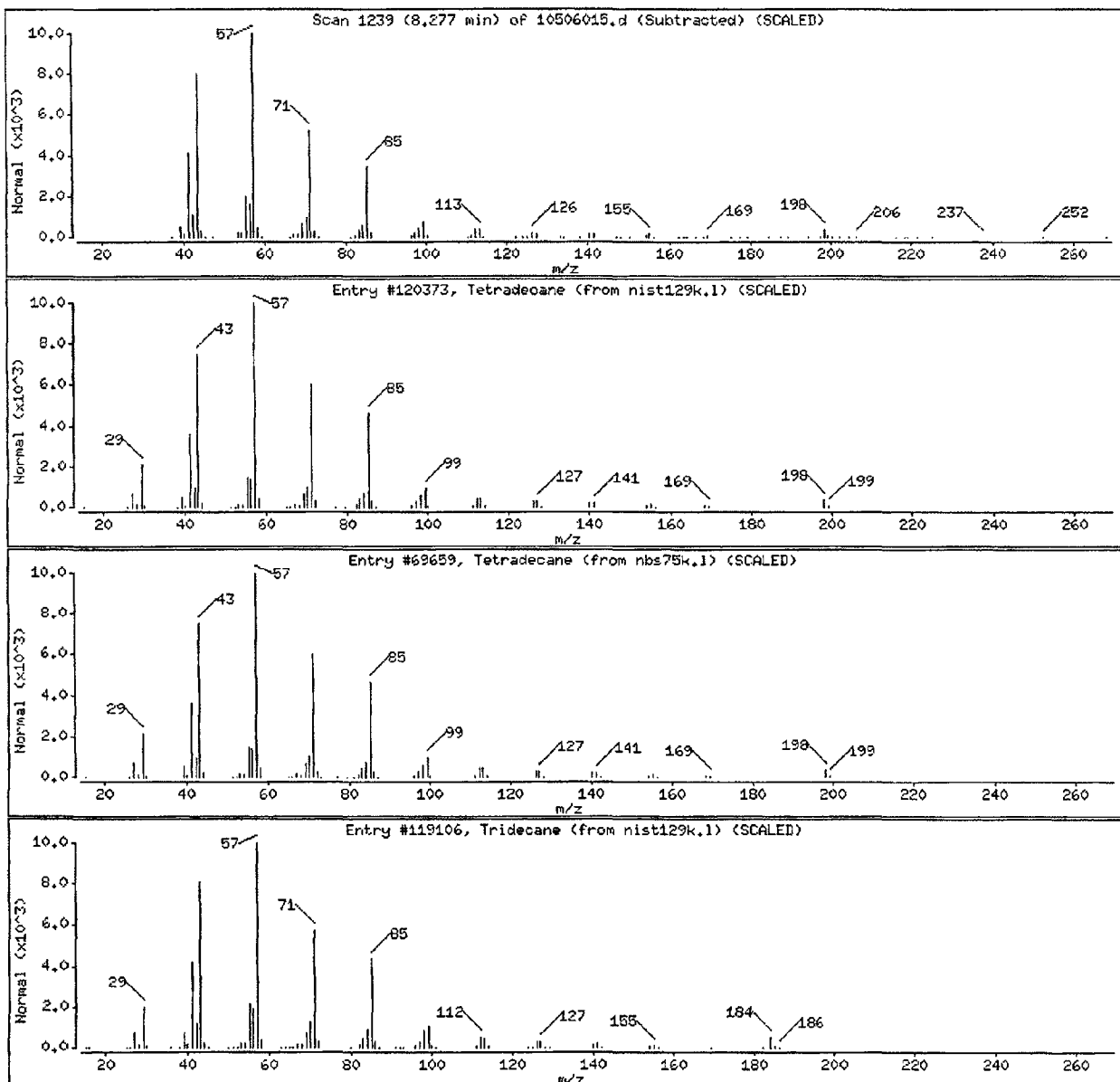
Purge Volume: 5.3

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetradecane	629-59-4	nist129k.l	120373	97	C14H30	198
Tetradecane	629-59-4	nbs75k.l	69659	97	C14H30	198
Tridecane	629-50-6	nist129k.l	119106	90	C13H28	184



CABOT-EPA 006597

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-11

Lab Name: Contract: 2H/4H-11

Lab Code: Case No.: SAS No.: SDG No.: 3027140A

Matrix: (soil/water) SOIL Lab Sample ID: 3027140009

Sample wt/vol: 5.7 (g/mL) G Lab File ID: 10506014

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: not dec. 19 Date Analyzed: 05/06/10

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 12

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1120-21-4	UNDECANE	7.11	120	NJ
2.	UNKNOWN	7.22	21.4	J
3.	UNKNOWN	7.34	43.7	J
4. 112-40-3	DODECANE	7.52	94.8	NJ
5. 2039-89-6	BENZENE, 2-ETHENYL-1,4-DIMET	7.56	21.3	NJ
6. 2039-89-6	BENZENE, 2-ETHENYL-1,4-DIMET	7.64	37.1	NJ
7.	UNKNOWN	7.78	25.2	J
8. 4912-92-9	1H-INDENE, 2,3-DIHYDRO-1,1-D	7.81	24.5	NJ
9. 629-50-5	TRIDECANE	7.91	72.0	NJ
10. 2809-64-5	NAPHTHALENE, 1,2,3,4-TETRAHY	8.10	28.2	NJ
11.	UNKNOWN	8.15	22.4	J
12. 629-59-4	TETRADECANE	8.28	89.0	NJ
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FORM I VOA-TIC

CABOT-EPA 006598

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

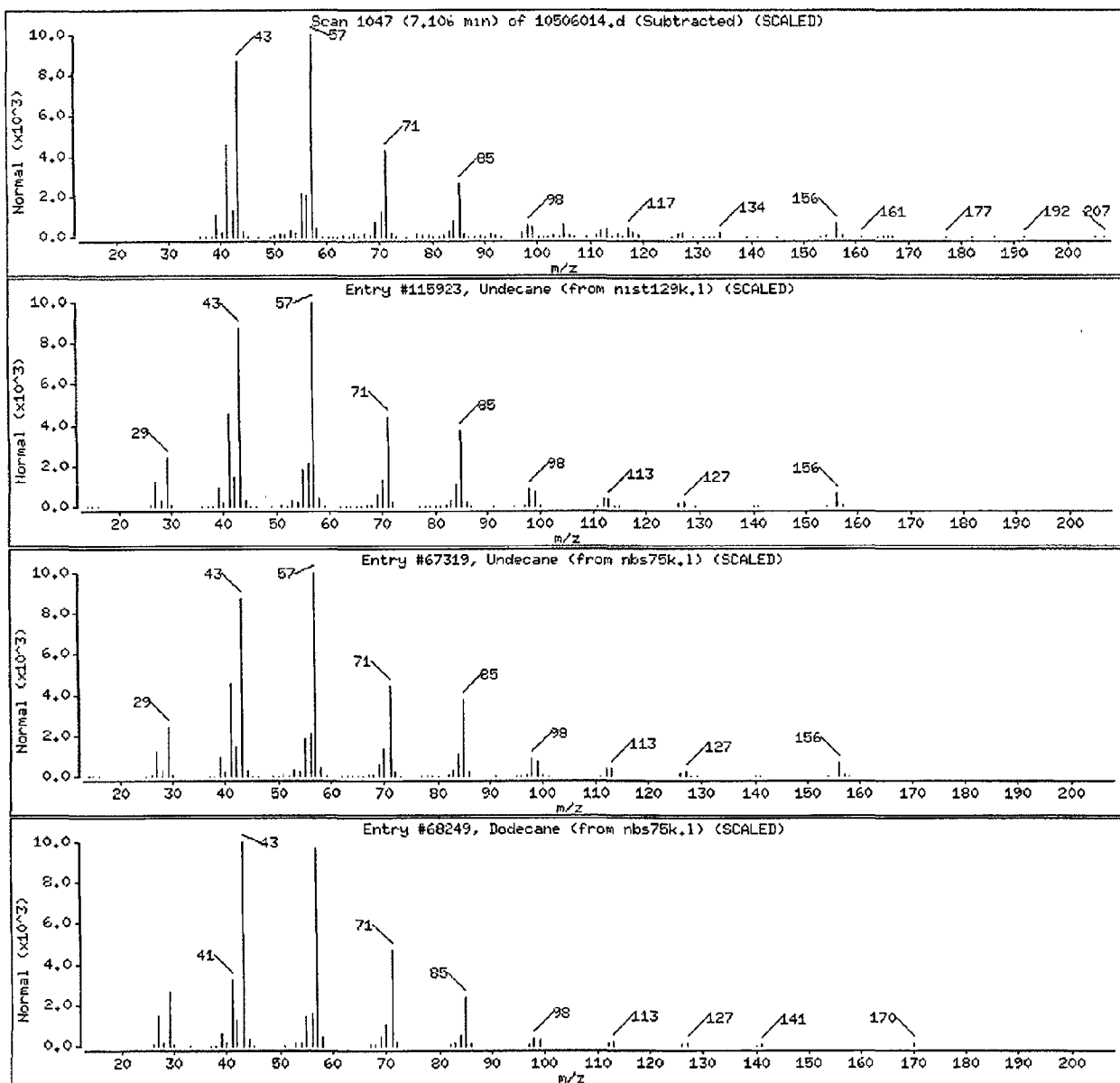
Purge Volume: 5.7

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nist129k.1	115923	96	C11H24	156
Undecane	1120-21-4	nbs75k.1	67319	96	C11H24	156
Dodecane	112-40-3	nbs75k.1	68249	80	C12H26	170



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

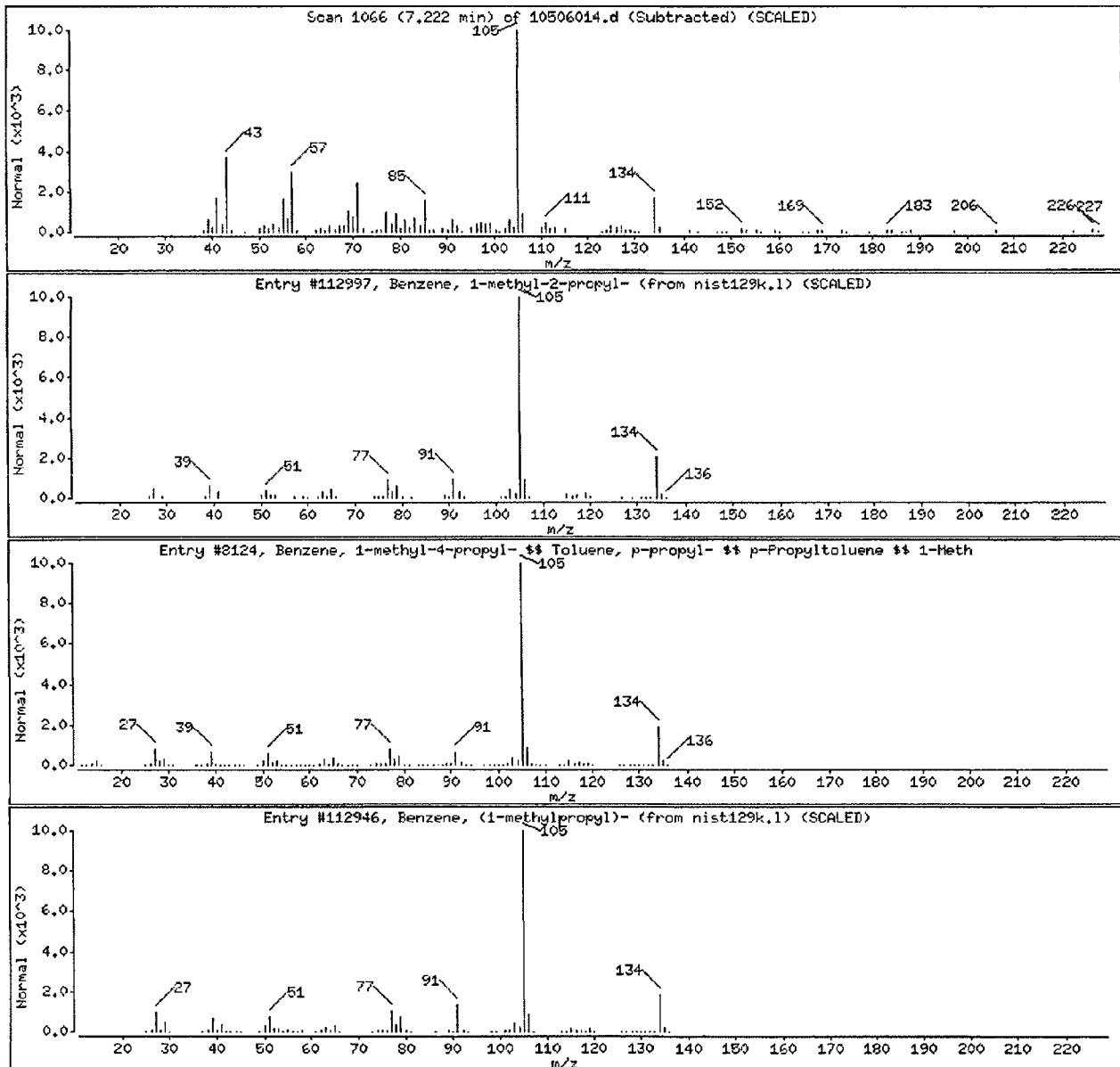
Purge Volume: 5.7

Operator: JEN

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 1-methyl-2-propyl-	1074-17-5	nist129k.1	112997	46	C10H14	134
Benzene, 1-methyl-4-propyl- $\neq$ Toluene,	1074-55-1	nist129k.1	8124	46	C10H14	134
Benzene, (1-methylpropyl)-	135-98-8	nist129k.1	112946	38	C10H14	134



CABOT-EPA 006600

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

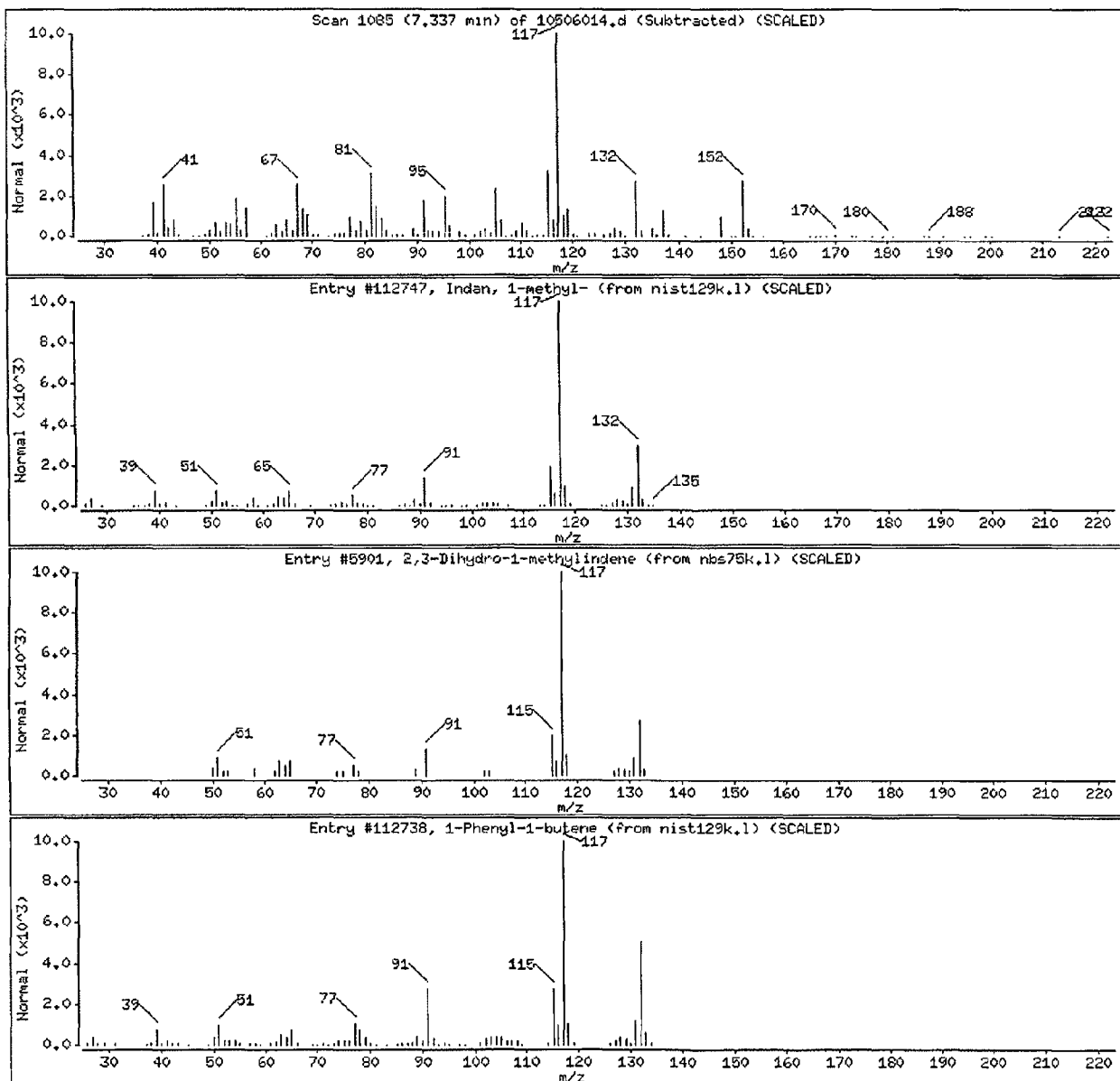
Purge Volume: 5.7

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Indan, 1-methyl-	767-58-8	nist129k.1	112747	60	C10H12	132
2,3-Dihydro-1-methylindene	27133-93-3	nbs75k.1	5901	60	C10H12	132
1-Phenyl-1-butene	824-90-8	nist129k.1	112738	38	C10H12	132



CABOT-EPA 006601

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

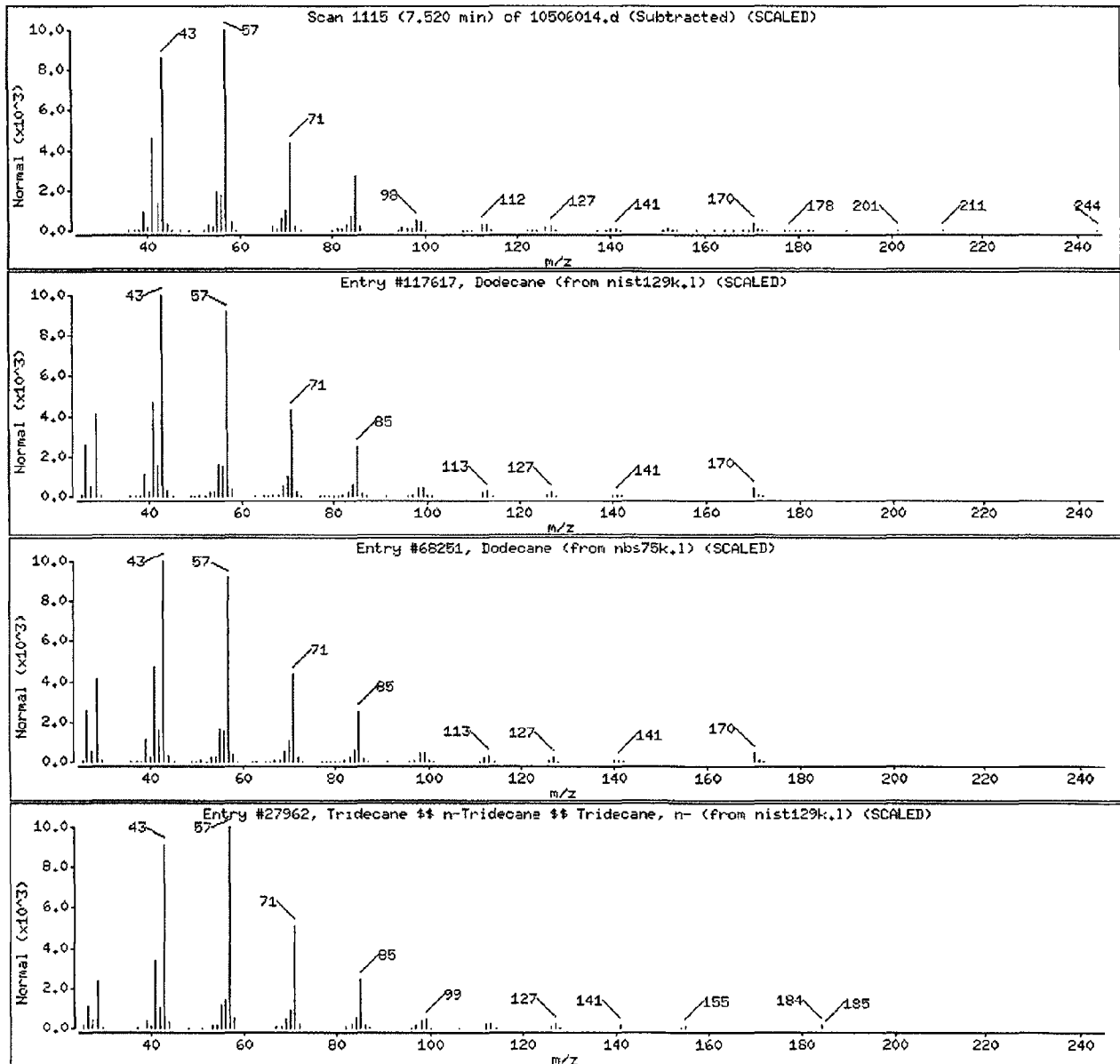
Purge Volume: 5.7

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane	112-40-3	nist129k.1	117617	97	C12H26	170
Dodecane	112-40-3	nbs75k.1	68251	97	C12H26	170
Tridecane \$\$ n-Tridecane \$\$ Tridecane, n	629-50-5	nist129k.1	27962	95	C13H28	184



CABOT-EPA 006602

Data File: \\30untarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

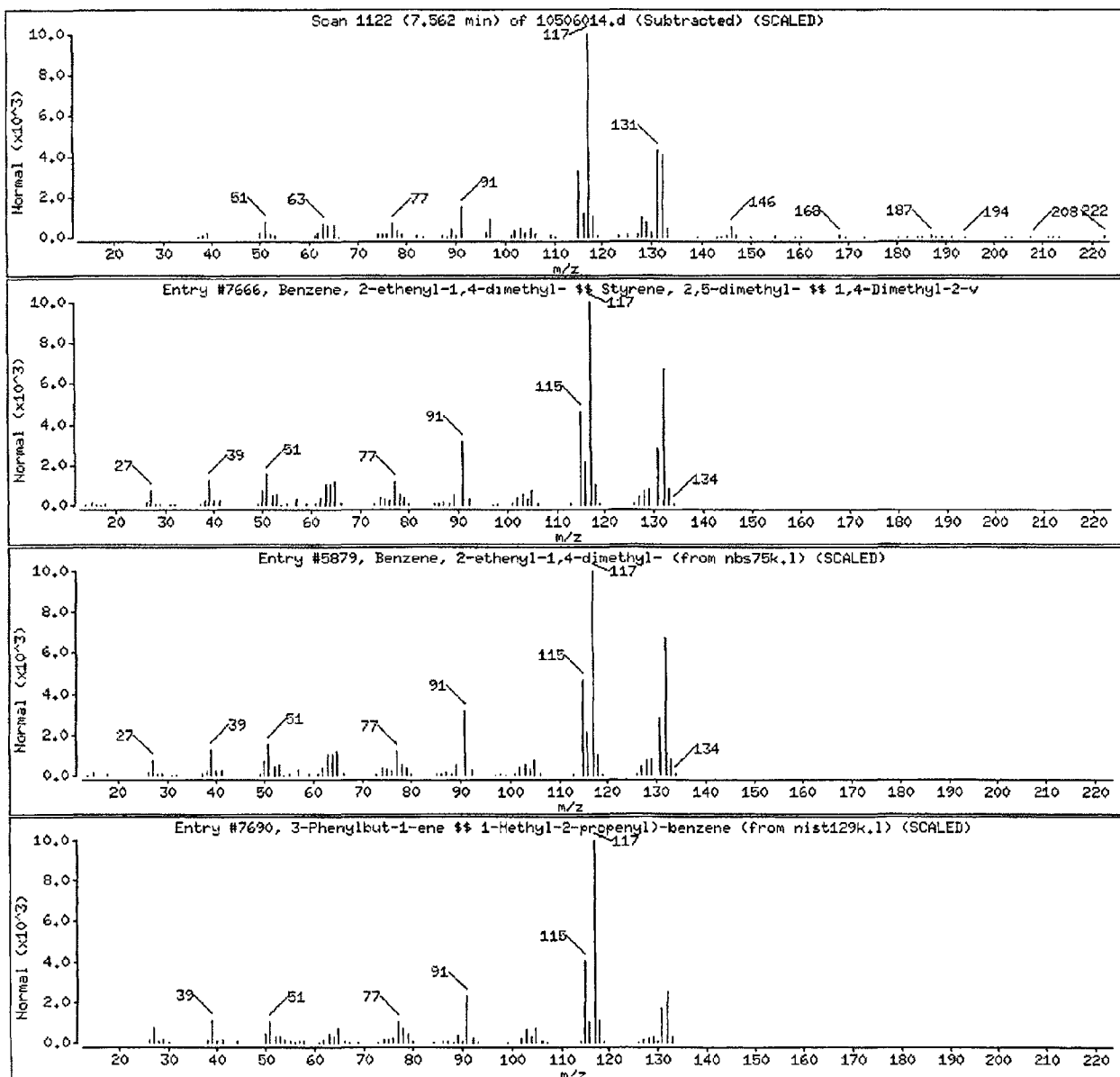
Purge Volume: 5.7

Operator: JEH

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-ethenyl-1,4-dimethyl- $\neq$ Styr	2039-89-6	nist129k.1	7666	92	C <sub>10</sub> H <sub>12</sub>	132
Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	nbs75k.1	5879	92	C <sub>10</sub> H <sub>12</sub>	132
3-Phenylbut-1-ene $\neq$ 1-Methyl-2-propenyl	934-10-1	nist129k.1	7690	87	C <sub>10</sub> H <sub>12</sub>	132



CABOT-EPA 006603



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5,65

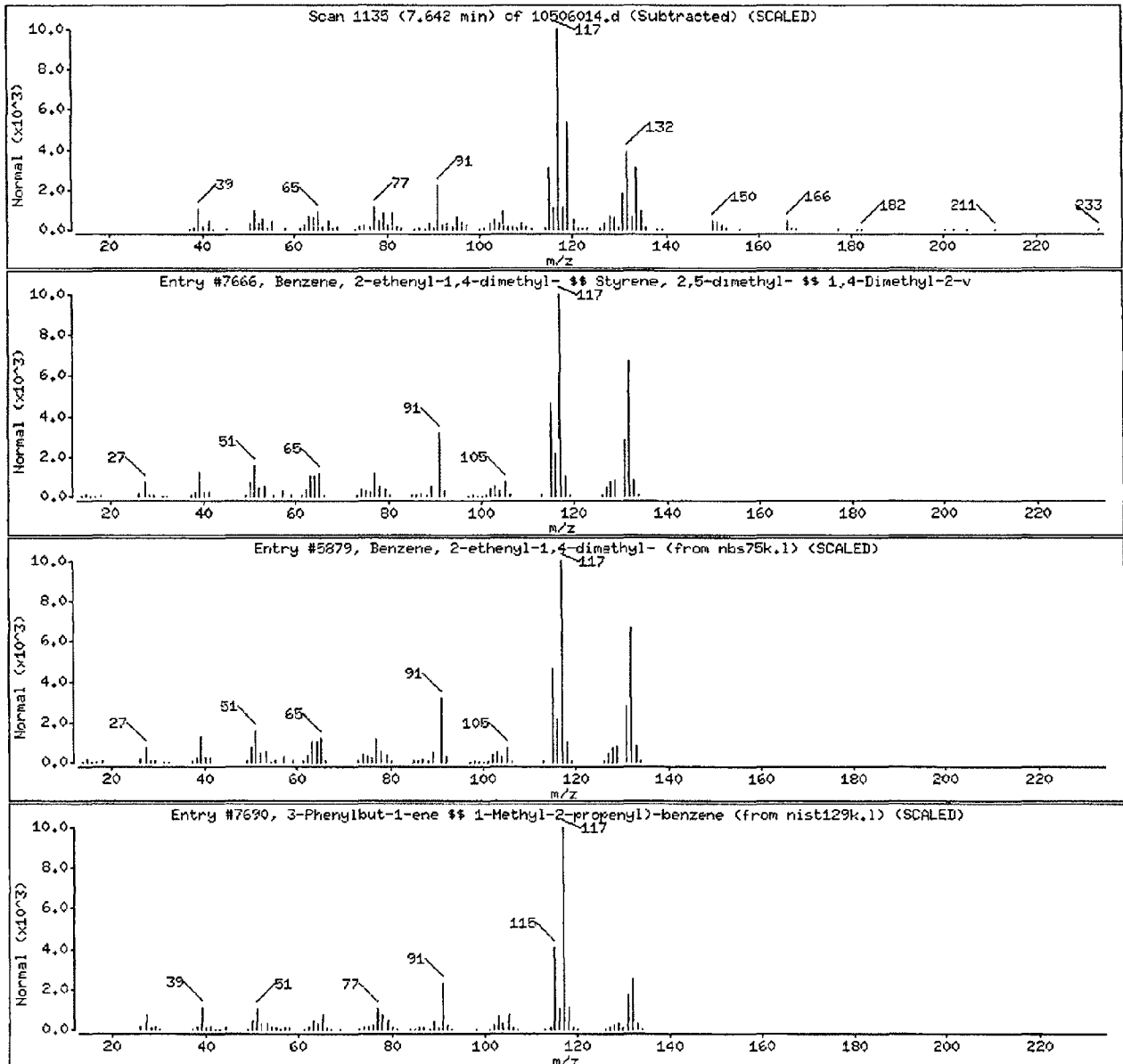
Purge Volume: 5.7

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-ethenyl-1,4-dimethyl- $\neq$ Styr	2039-89-6	nist129k.1	7666	95	C10H12	132
Benzene, 2-ethenyl-1,4-dimethyl-	2039-89-6	nbs75k.1	5879	95	C10H12	132
3-Phenylbut-1-ene $\neq$ 1-Methyl-2-propenyl	934-10-1	nist129k.1	7690	93	C10H12	132



CABOT-EPA 006604

Data File: \\30wintarget\chem\30msv1.i\10506010.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

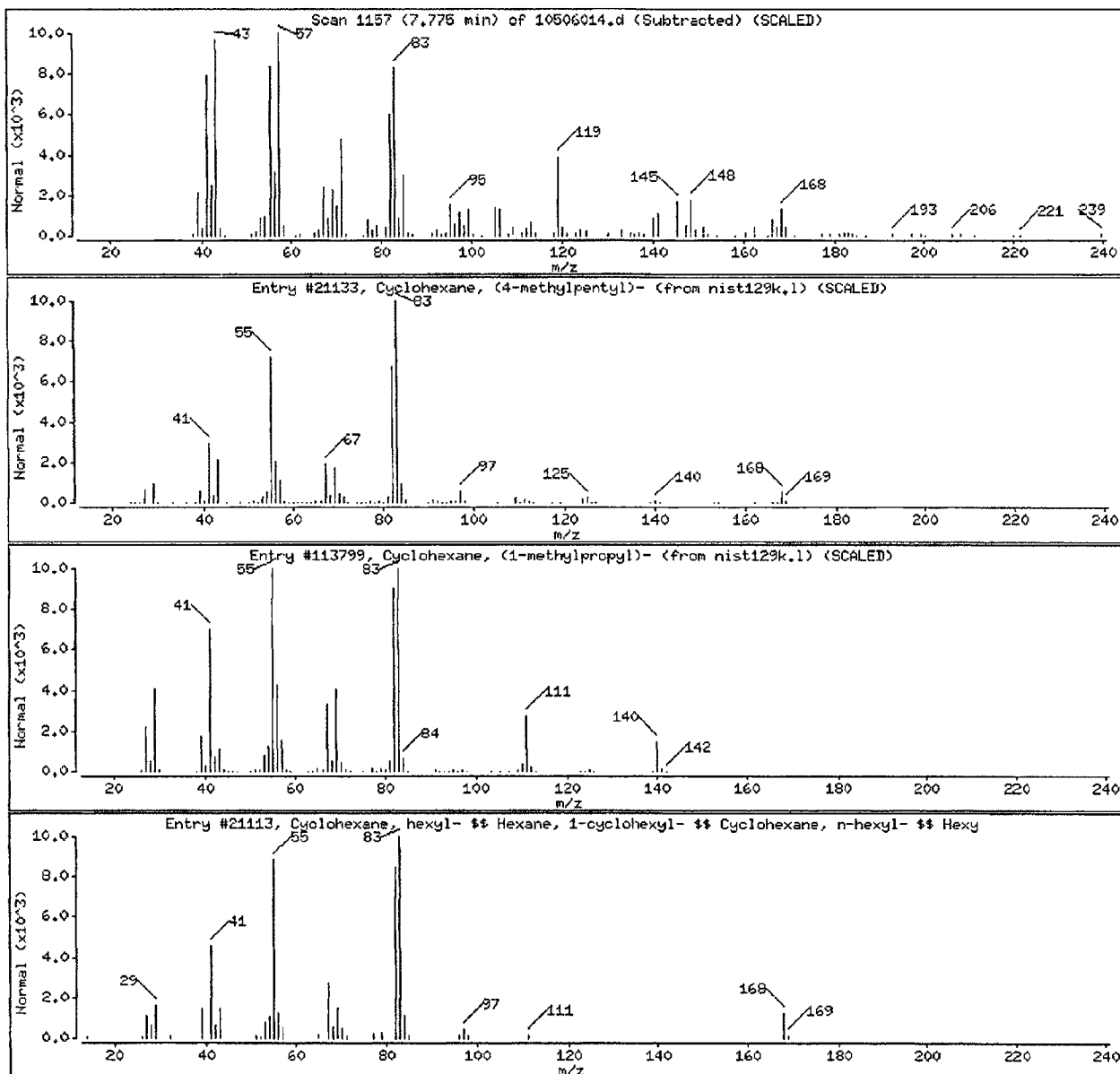
Purge Volume: 5.7

Operator: JEN

Column phase: RTX-VMS

Column diameter: 0,18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclohexane, (4-methylpentyl)-	61142-20-9	nist129k.1	21133	46	C12H24	168
Cyclohexane, (1-methylpropyl)-	7058-01-7	nist129k.1	113799	46	C10H20	140
Cyclohexane, hexyl- $\neq$ Hexane, 1-cyclohexyl- $\neq$ Cyclohexane, n-hexyl- $\neq$ Hexyl	4292-75-5	nist129k.1	21113	41	C12H24	168



CABOT-EPA 006605

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

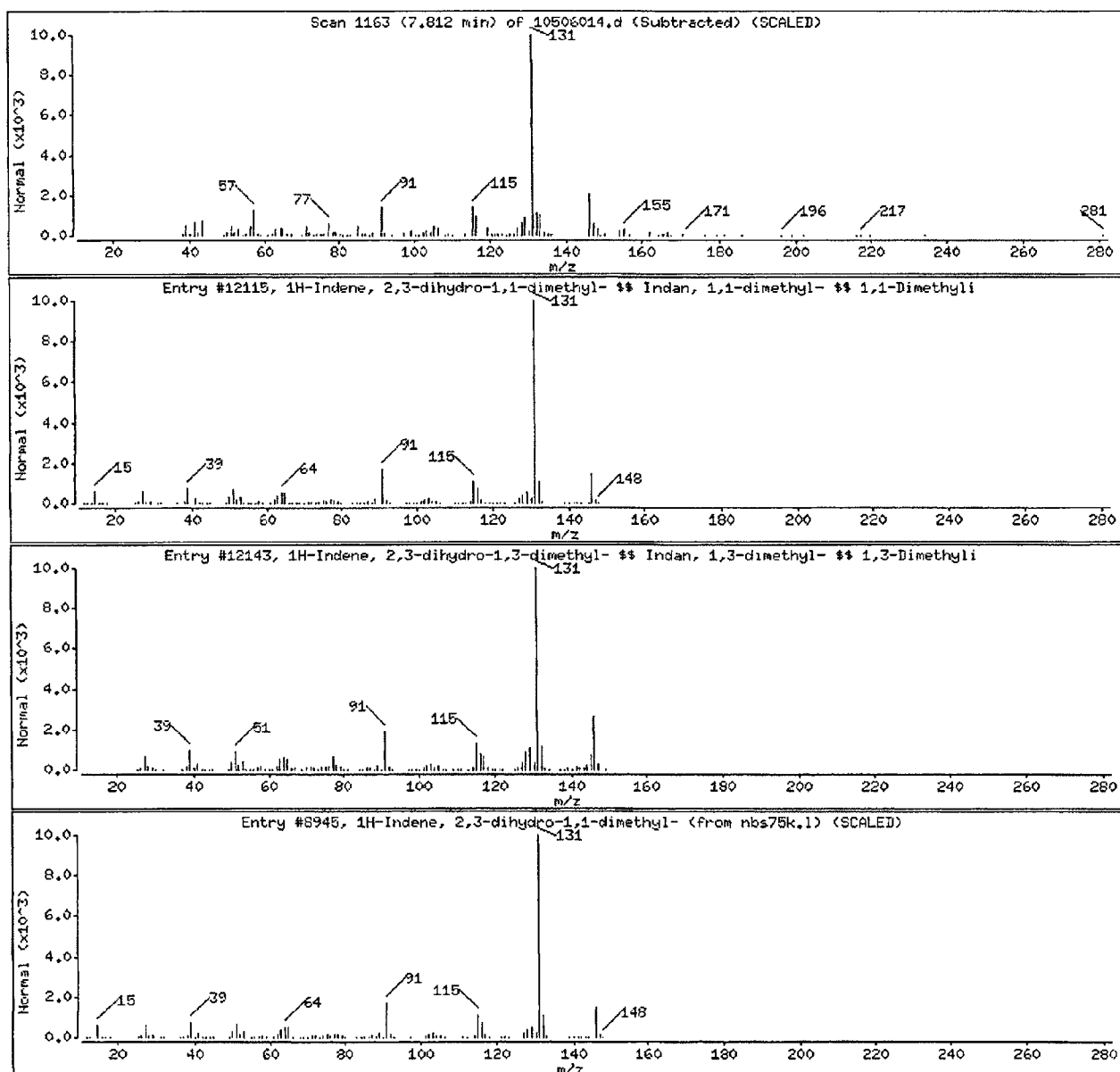
Purge Volume: 5.7

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1H-Indene, 2,3-dihydro-1,1-dimethyl- **	4912-92-9	nist129k.1	12115	90	C11H14	146
1H-Indene, 2,3-dihydro-1,3-dimethyl- **	4175-53-5	nist129k.1	12143	90	C11H14	146
1H-Indene, 2,3-dihydro-1,1-dimethyl-	4912-92-9	nbs75k.1	8945	90	C11H14	146



CABOT-EPA 006606

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

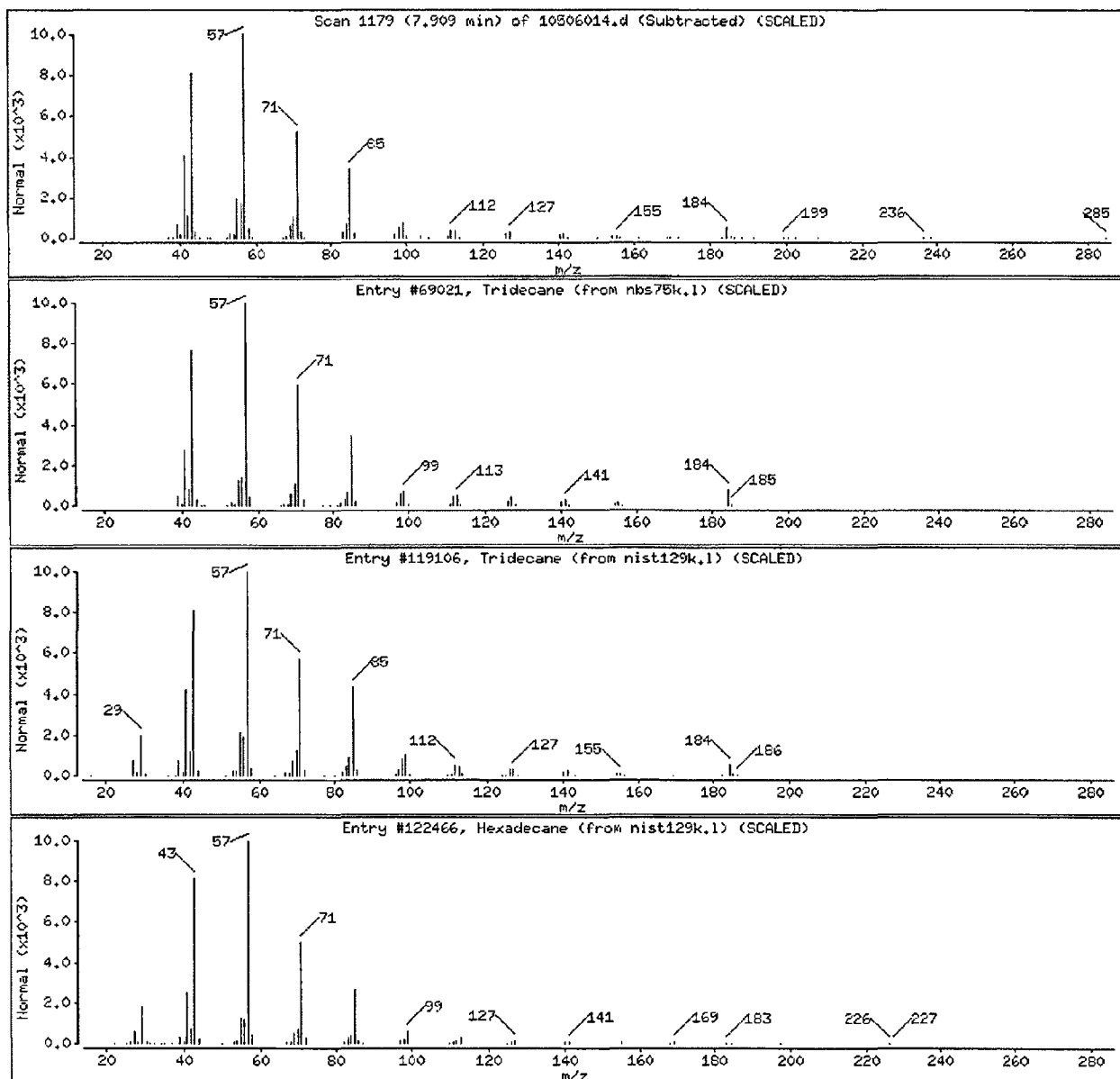
Purge Volume: 5.7

Operator: JEM

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tridecane	629-50-5	nbs75k.1	69021	97	C13H28	184
Tridecane	629-50-5	nist129k.1	119106	96	C13H28	184
Hexadecane	544-76-3	nist129k.1	122466	87	C16H34	226



CABOT-EPA 006607

Data File: \\30wintarget\chen\30msv1.i\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5.65

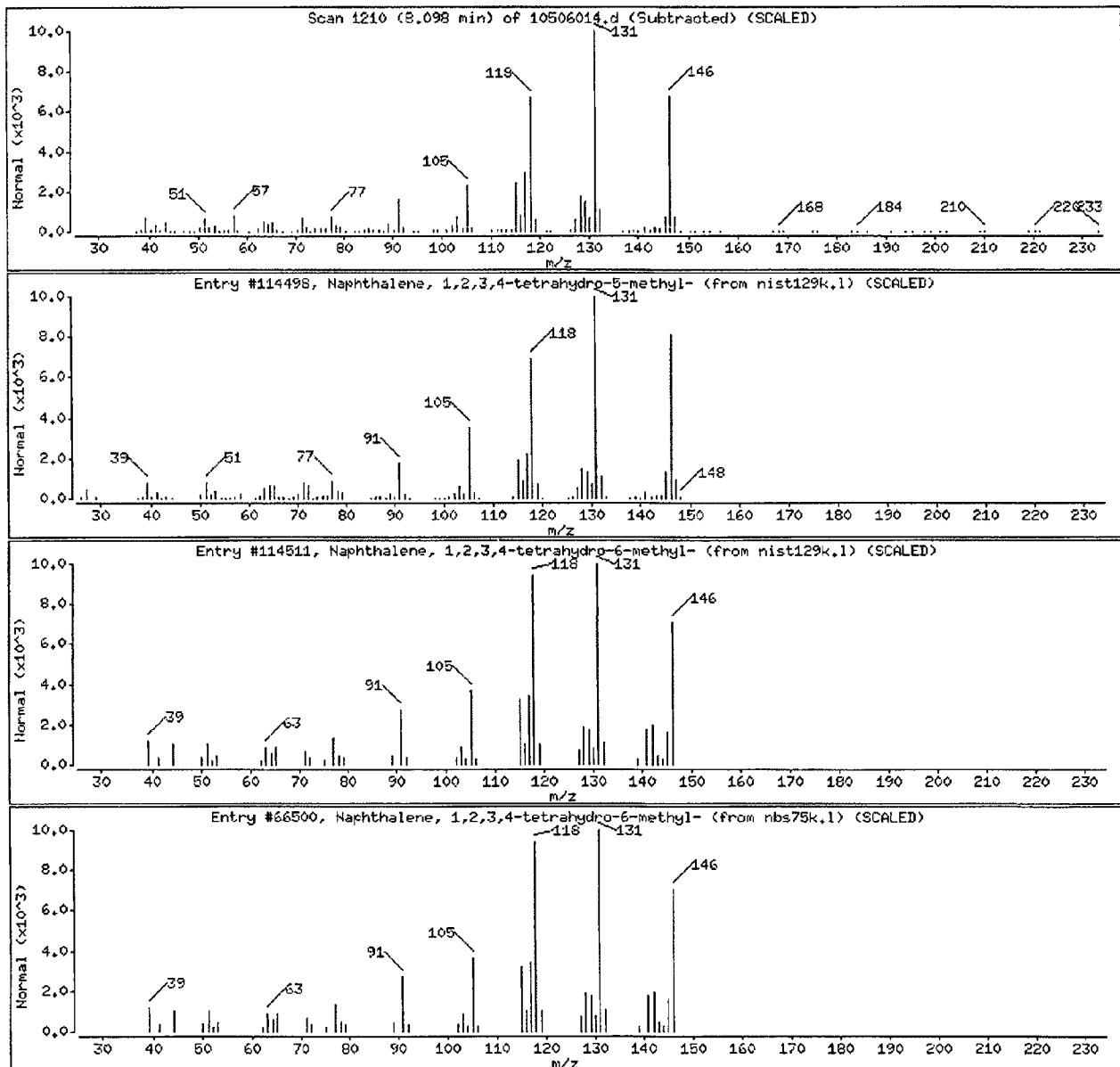
Purge Volume: 5.7

Operator: JEN

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nist129k.1	114498	94	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nist129k.1	114511	94	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nbs75k.1	66500	94	C11H14	146



CABOT-EPA 006608

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5,65

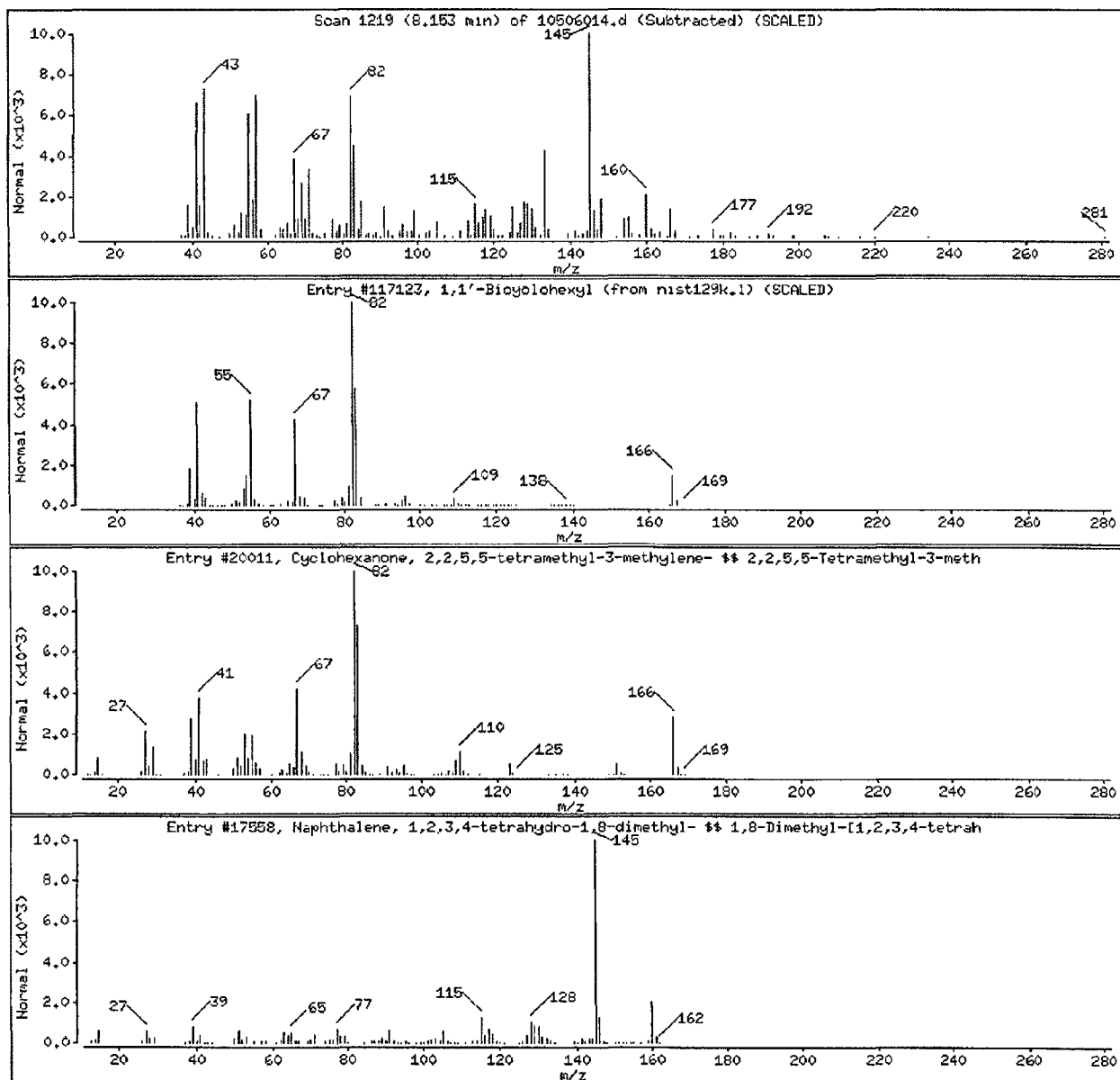
Purge Volume: 5.7

Operator: JEM

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
1,1'-Bicyclohexyl	92-51-3	nist129k.1	117123	42	C12H22	166
Cyclohexanone, 2,2,5,5-tetramethyl-3-met	35505-97-6	nist129k.1	20011	38	C11H18O	166
Naphthalene, 1,2,3,4-tetrahydro-1,8-dime	25419-33-4	nist129k.1	17558	38	C12H16	160



CABOT-EPA 006609

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506014.d

Date : 06-MAY-2010 16:42

Client ID: 2H/4H-11

Instrument: 30msv1.i

Sample Info: 3027140009,,5,65

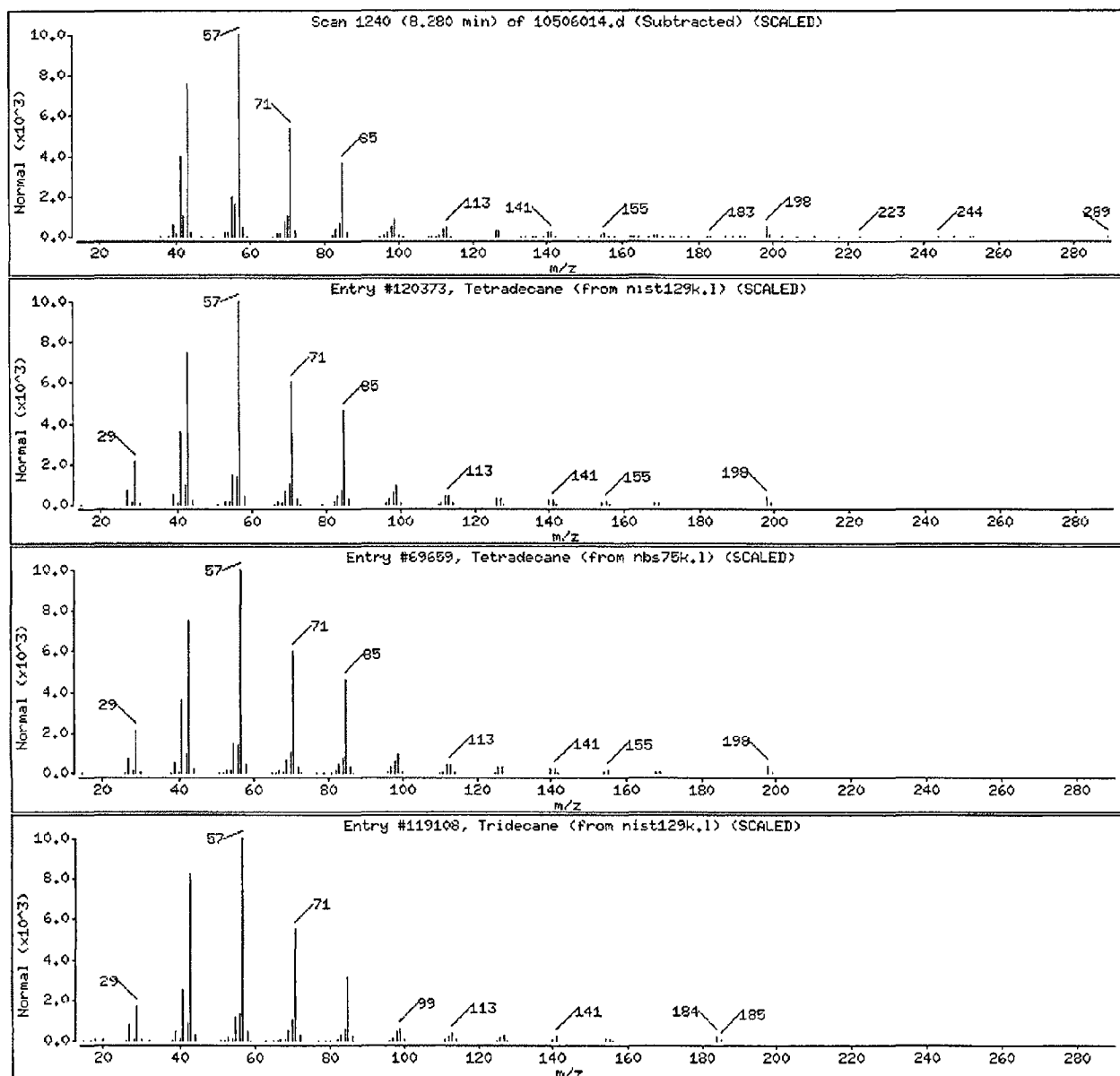
Purge Volume: 5.7

Operator: JEN

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetradecane	629-59-4	nist129k.l	120373	98	C14H30	198
Tetradecane	629-59-4	nbs75k.l	69659	98	C14H30	198
Tridecane	629-50-5	nist129k.l	119108	91	C13H28	184



CABOT-EPA 006610



FORM 1 URS Corporation - PG05-MAY-2010 13:40  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-12

Lab Name: Contract:   
 Lab Code: Case No.: SAS No.: SDG No.: 3027140A   
 Matrix: (soil/water) SOIL Lab Sample ID: 3027140007   
 Sample wt/vol: 6.2 (g/mL) G Lab File ID: 10506013   
 Level: (low/med) LOW Date Received: 05/05/10   
 % Moisture: not dec. 15 Date Analyzed: 05/06/10   
 GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0   
 Soil Extract Volume: (mL) Soil Aliquot Volume: (uL)

Number TICs found: 12 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.92	48.5	J
2.	COLUMN BLEED	6.54	16.7	J
3. 1120-21-4	UNDECANE	7.10	18.6	NJ
4. 544-76-3	HEXADECANE \$\$ N-CETANE \$\$ N-	7.22	18.1	NJ
5.	UNKNOWN	7.34	7.62	J
6. 112-40-3	DODECANE	7.52	16.8	NJ
7. 767-58-8	INDAN, 1-METHYL-	7.64	8.60	NJ
8.	UNKNOWN	7.78	8.88	J
9. 629-50-5	TRIDECANE	7.91	16.8	NJ
10. 2809-64-5	NAPHTHALENE, 1,2,3,4-TETRAHY	8.10	9.21	NJ
11.	UNKNOWN	8.16	9.49	J
12. 629-59-4	TETRADECANE	8.28	29.1	NJ
13.				
14.				
15.				
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23.				
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25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

CABOT-EPA 006611

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6,21

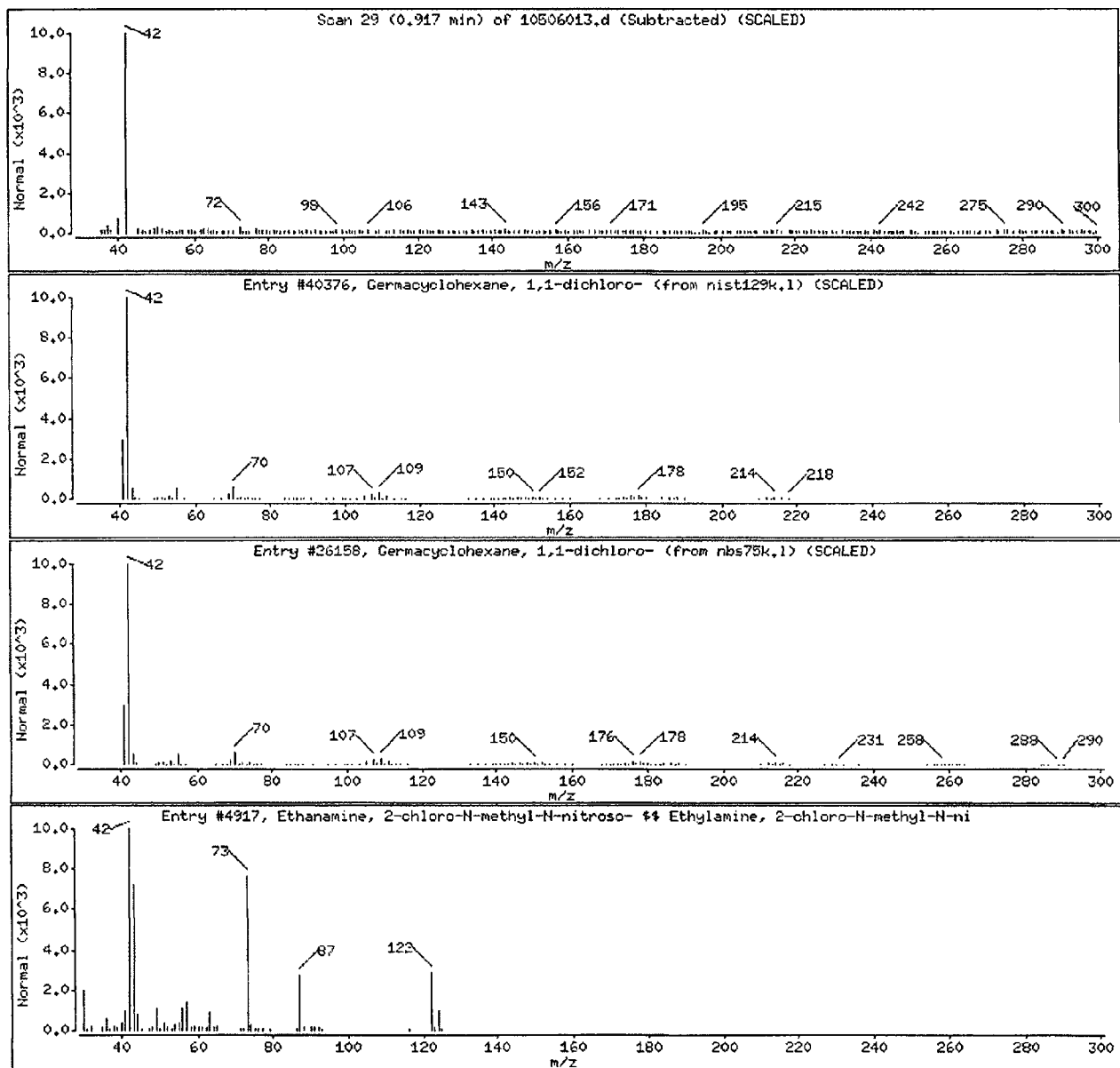
Purge Volume: 6.2

Operator: JEN

Column phase: RTN-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Germacynolchexane, 1,1-dichloro-	56438-28-9	nist129k.1	40376	64	C5H10Cl2Ge	214
Germacynolchexane, 1,1-dichloro-	56438-28-9	nbs75k.1	26158	64	C5H10Cl2Ge	214
Ethanamine, 2-chloro-N-methyl-N-nitroso-	16339-16-5	nist129k.1	4917	39	C3H7ClN2O	122



CABOT-EPA 006612

Data File: \\30uintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

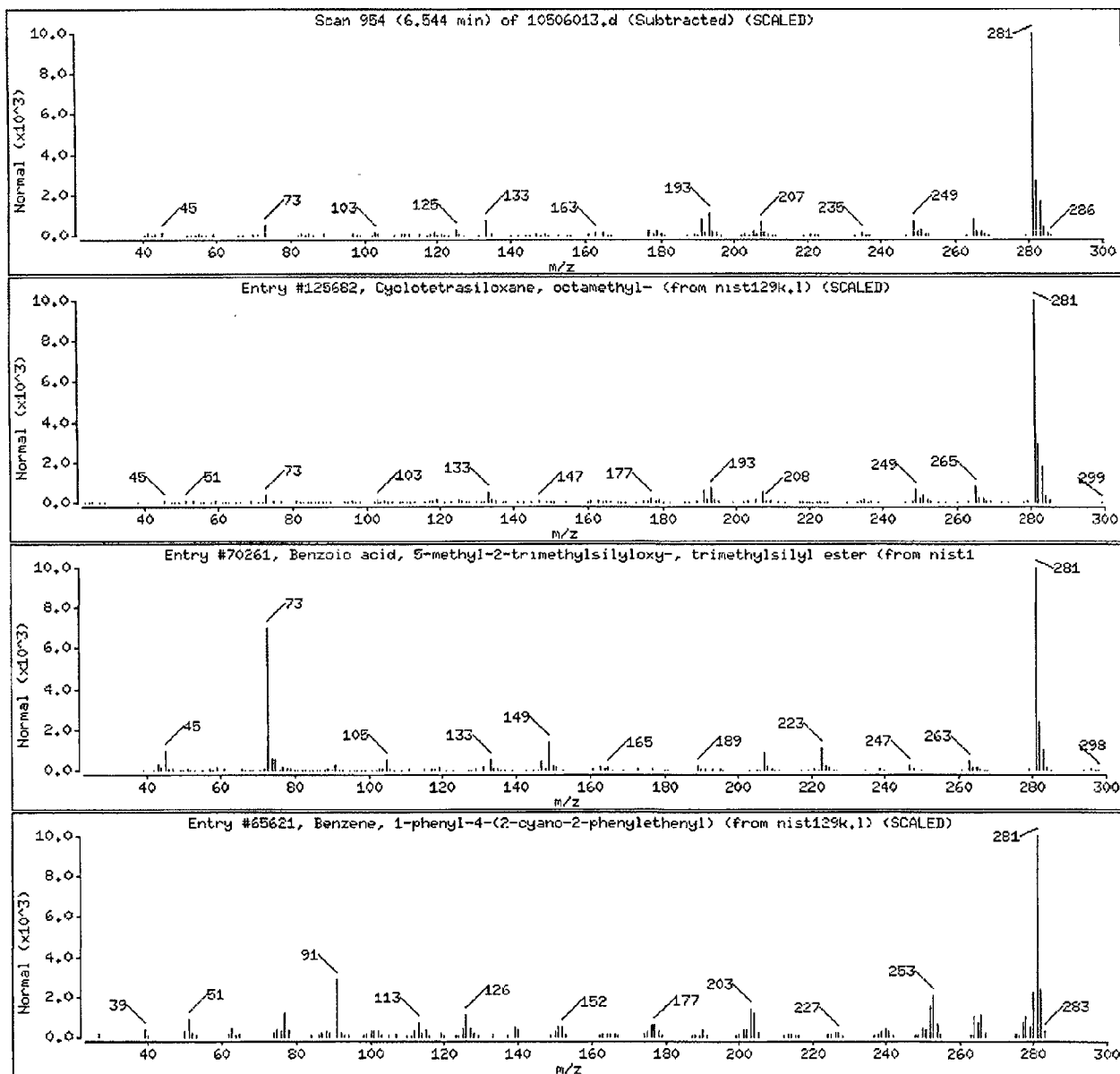
Purge Volume: 6.2

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotetrasiloxane, octamethyl-	556-67-2	nist129k.1	125682	91	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	296
Benzoic acid, 5-methyl-2-trimethylsilylo	0-00-0	nist129k.1	70261	59	C <sub>14</sub> H <sub>24</sub> O <sub>3</sub> Si <sub>2</sub>	296
Benzene, 1-phenyl-4-(2-cyano-2-phenyleth	27869-56-3	nist129k.1	65621	59	C <sub>21</sub> H <sub>15</sub> N	281



CABOT-EPA 006613

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6,21

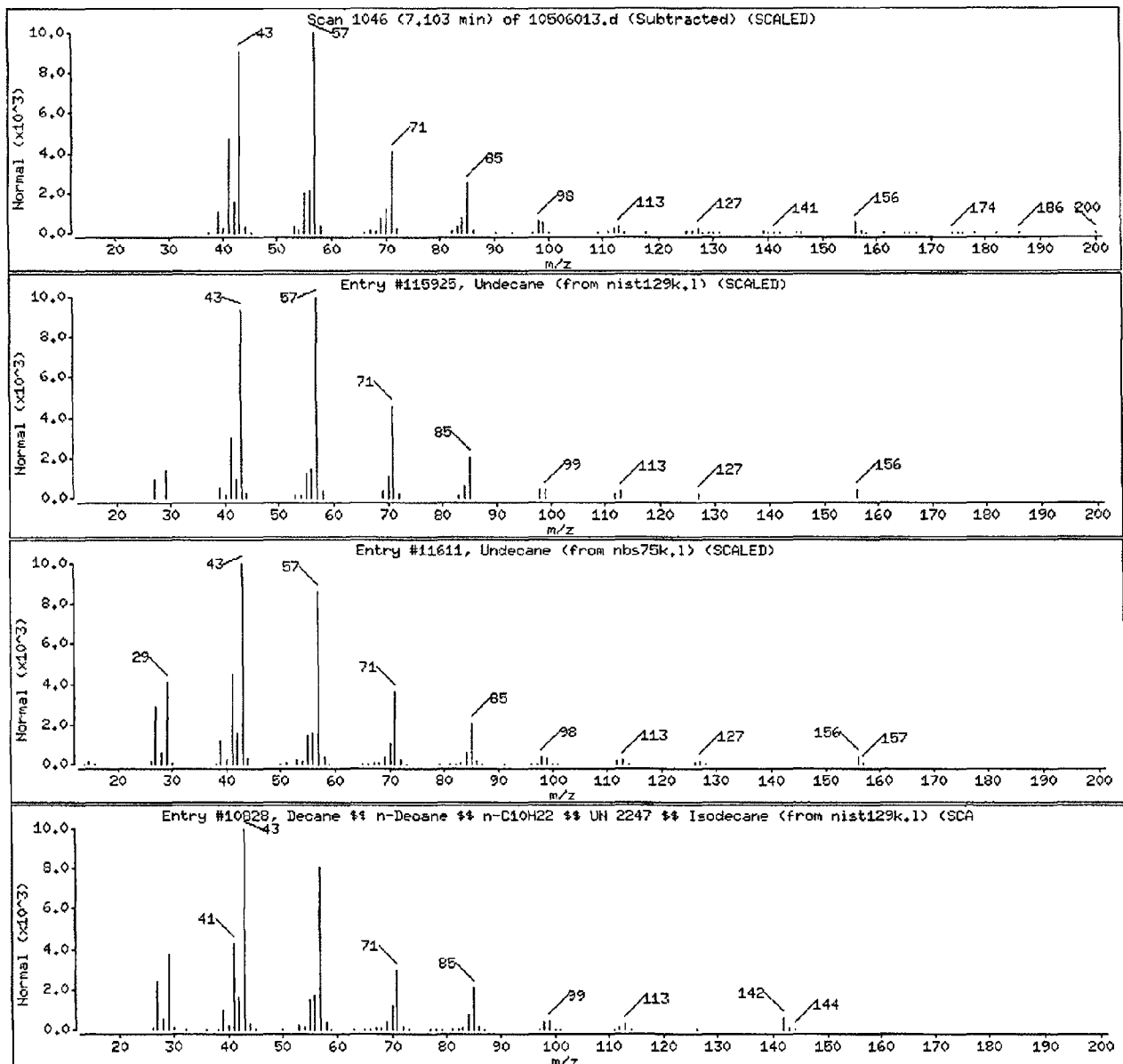
Purge Volume: 6.2

Operator: JEH

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Undecane	1120-21-4	nist129k.1	115925	94	C11H24	156
Undecane	1120-21-4	nbs75k.1	11611	94	C11H24	156
Decane $\neq$ n-Decane $\neq$ n-C10H22 $\neq$ UN 224	124-18-5	nist129k.1	10828	90	C10H22	142



CABOT-EPA 006614

Data File: \\30vintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

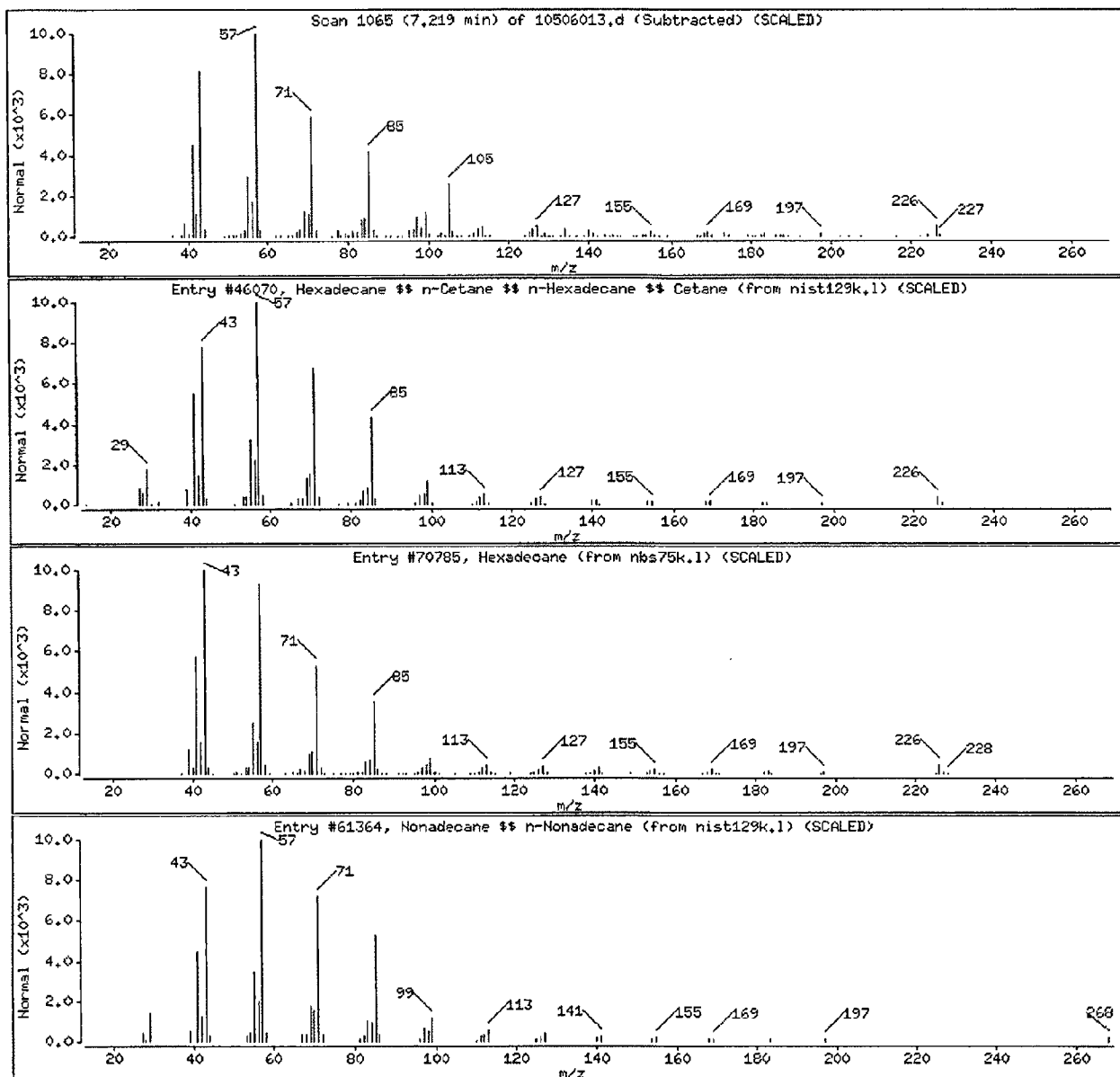
Purge Volume: 6.2

Operator: JEM

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexadecane $\$$ n-Cetane $\$$ n-Hexadecane $\$$	544-76-3	nist129k.1	46070	97	C16H34	226
Hexadecane	544-76-3	nbs75k.1	70785	93	C16H34	226
Nonadecane $\$$ n-Nonadecane	629-92-5	nist129k.1	61364	81	C19H40	268



CABOT-EPA 006615

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.0506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

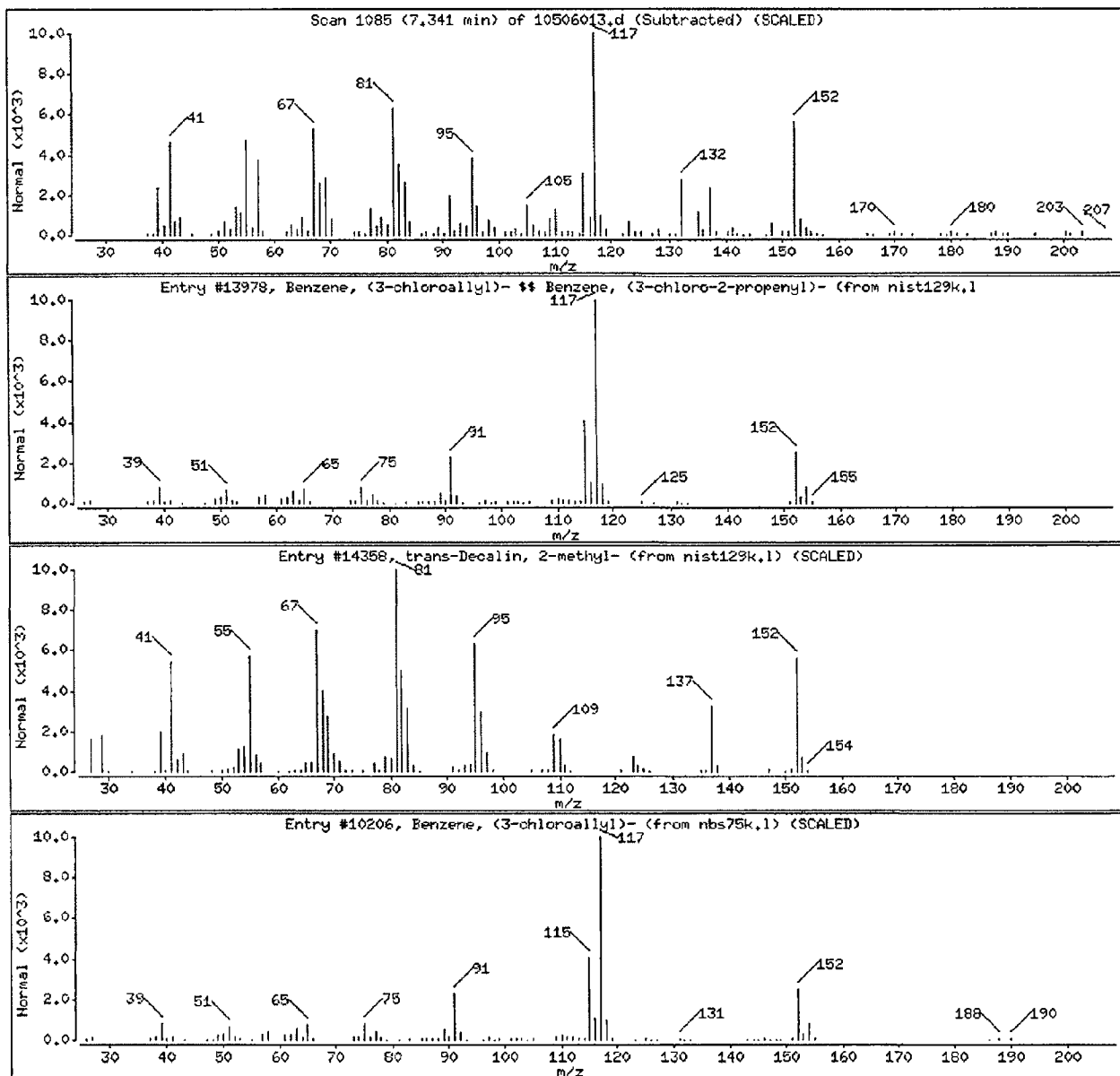
Purge Volume: 6.2

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, (3-chloroallyl)- $\neq$ Benzene, (3	6268-37-7	nist129k.1	13978	50	C9H9Cl	152
trans-Decalin, 2-methyl-	0-00-0	nist129k.1	14358	50	C11H20	152
Benzene, (3-chloroallyl)-	6268-37-7	nbs75k.1	10206	50	C9H9Cl	152



CABOT-EPA 006616

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

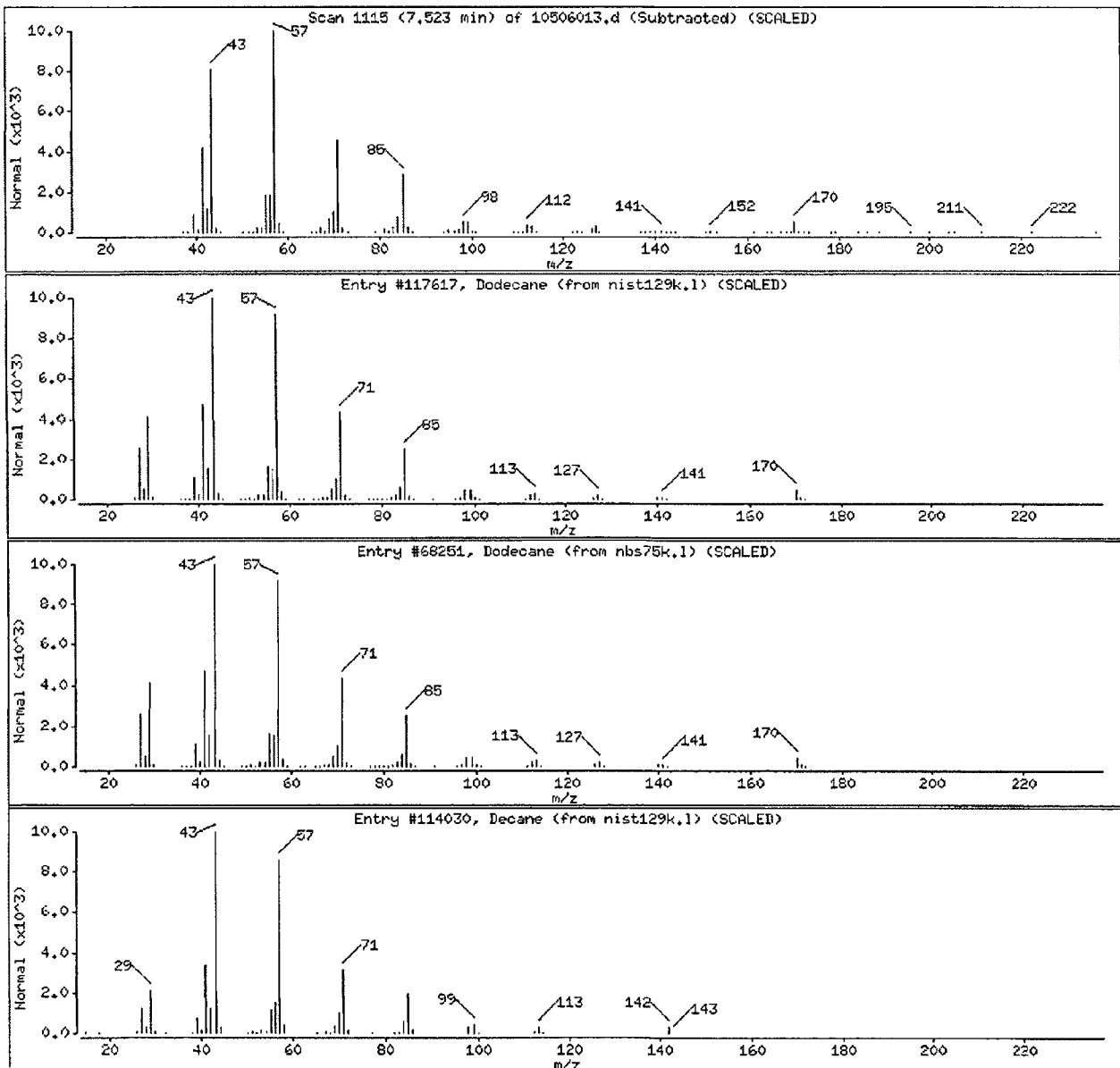
Purge Volume: 6.2

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Dodecane	112-40-3	nist129k.1	117617	97	C12H26	170
Dodecane	112-40-3	nbs75k.1	68251	97	C12H26	170
Decane	124-18-5	nist129k.1	114030	91	C10H22	142



CABOT-EPA 006617



Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6,21

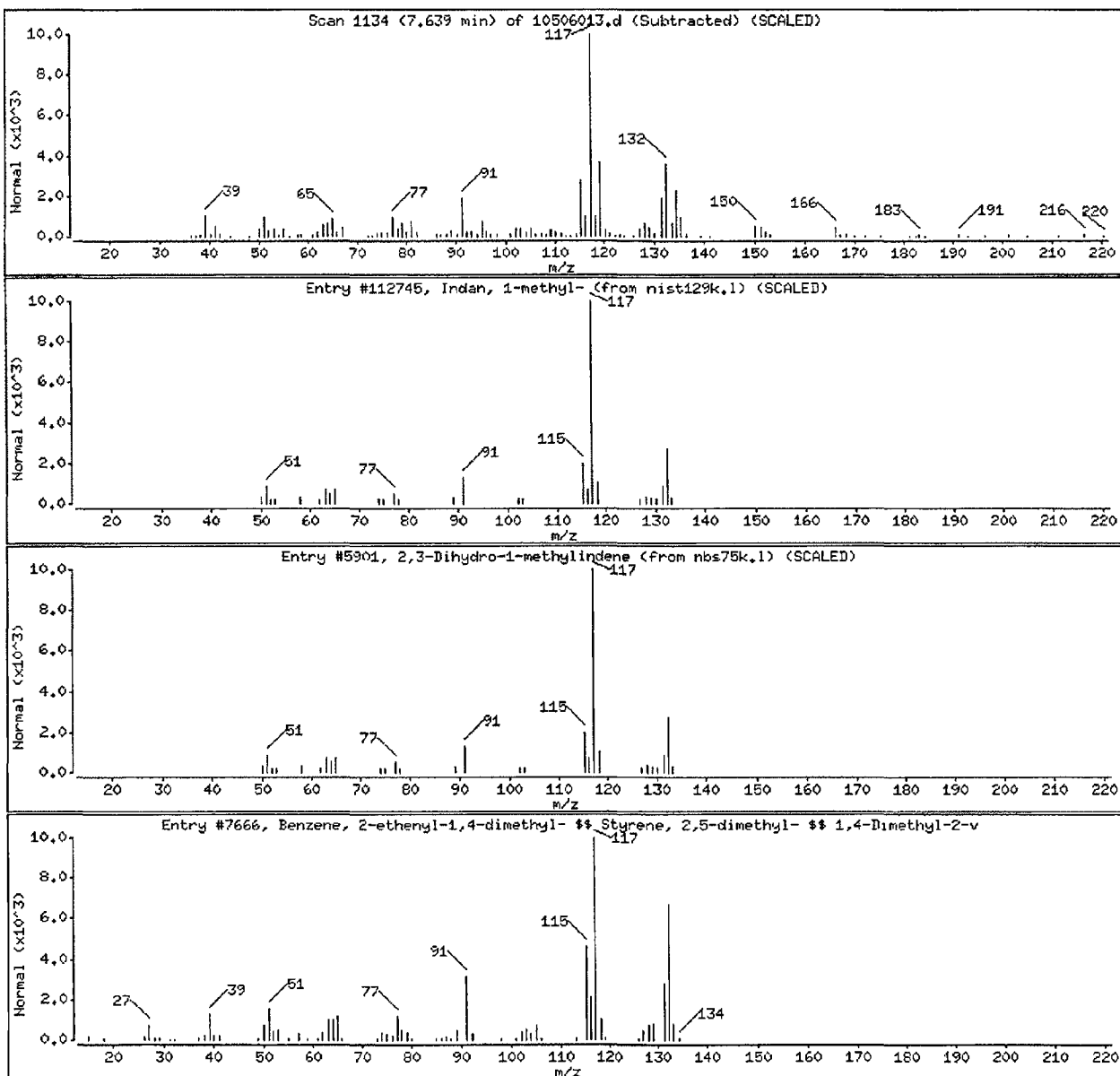
Purge Volume: 6.2

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Indan, 1-methyl-	767-58-8	nist129k.1	112745	92	C10H12	132
2,3-Dihydro-1-methylindene	27133-93-3	nbs75k.1	5901	92	C10H12	132
Benzene, 2-ethenyl-1,4-dimethyl- <del>Sty</del>	2039-89-6	nist129k.1	7666	89	C10H12	132



CABOT-EPA 006618

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

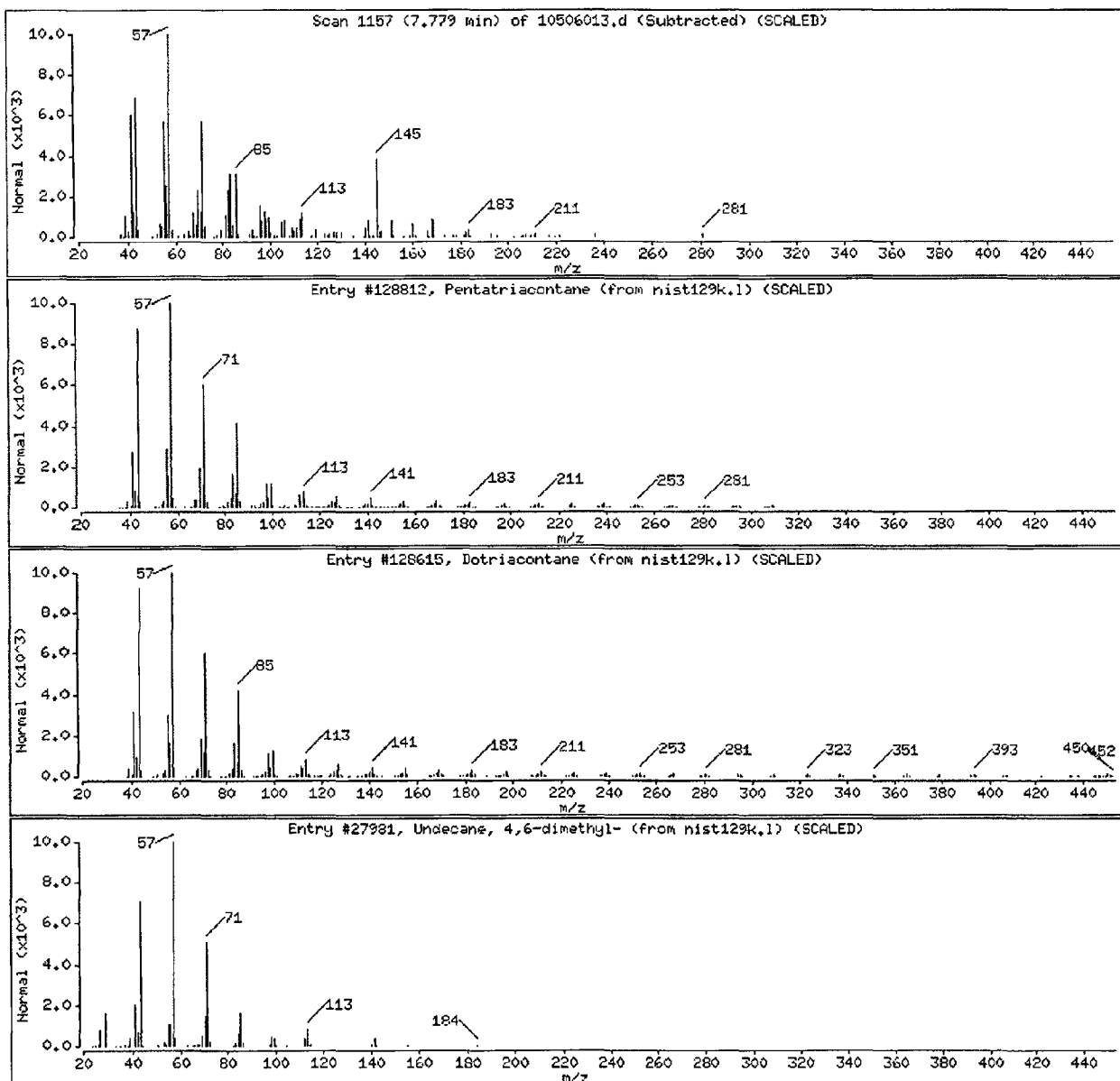
Purge Volume: 6.2

Operator: JEH

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Pentatriacontane	630-07-9	nist129k.1	128812	43	C35H72	493
Dotriacontane	544-85-4	nist129k.1	128615	43	C32H66	451
Undecane, 4,6-dimethyl-	17312-82-2	nist129k.1	27981	38	C13H28	184



CABOT-EPA 006619

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\1050613.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

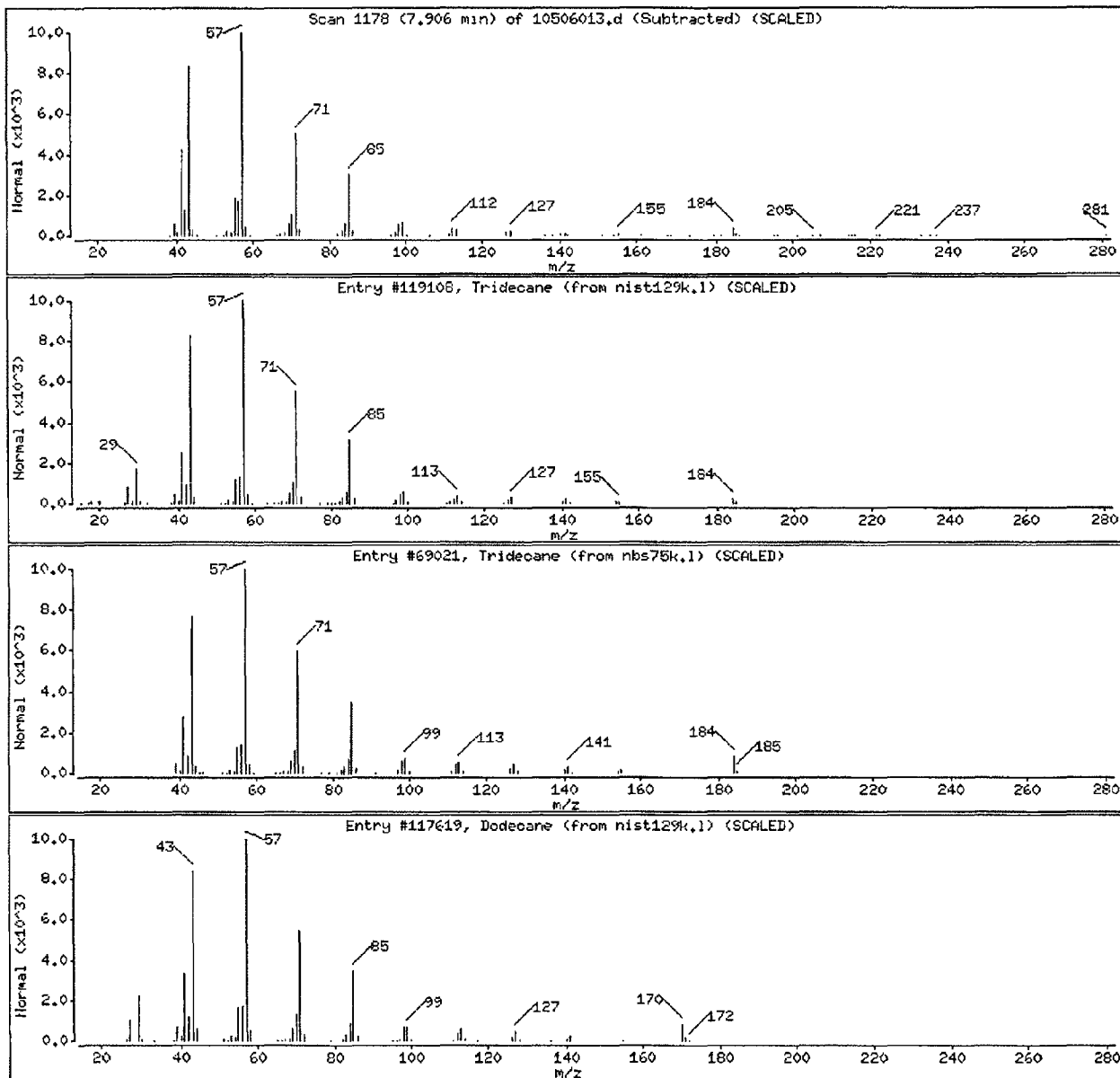
Purge Volume: 6.2

Operator: JEM

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tridecane	629-50-5	nist129k.1	119108	97	C13H28	184
Tridecane	629-50-5	nbs75k.1	69021	95	C13H28	184
Dodecane	112-40-3	nist129k.1	117619	94	C12H26	170



CABOT-EPA 006620

Data File: \\30wintarget\chem\30msv1.i\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6.21

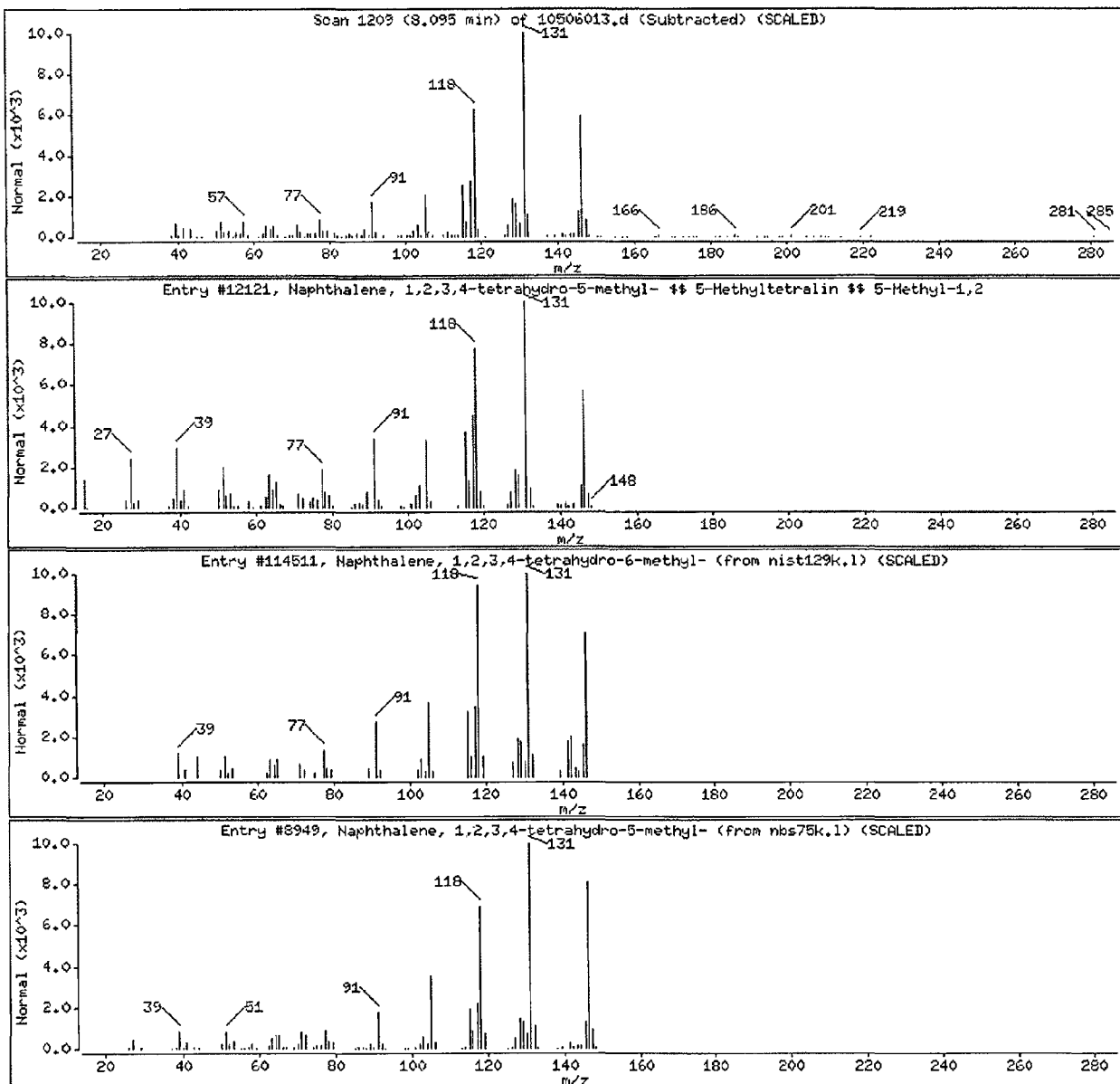
Purge Volume: 6.2

Operator: JEW

Column phase: RTX-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nist129k.1	12121	97	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-6-methyl	1680-51-9	nist129k.1	114511	94	C11H14	146
Naphthalene, 1,2,3,4-tetrahydro-5-methyl	2809-64-5	nbs75k.1	8949	94	C11H14	146



CABOT-EPA 006621

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.b\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.1

Sample Info: 3027140007,,6.21

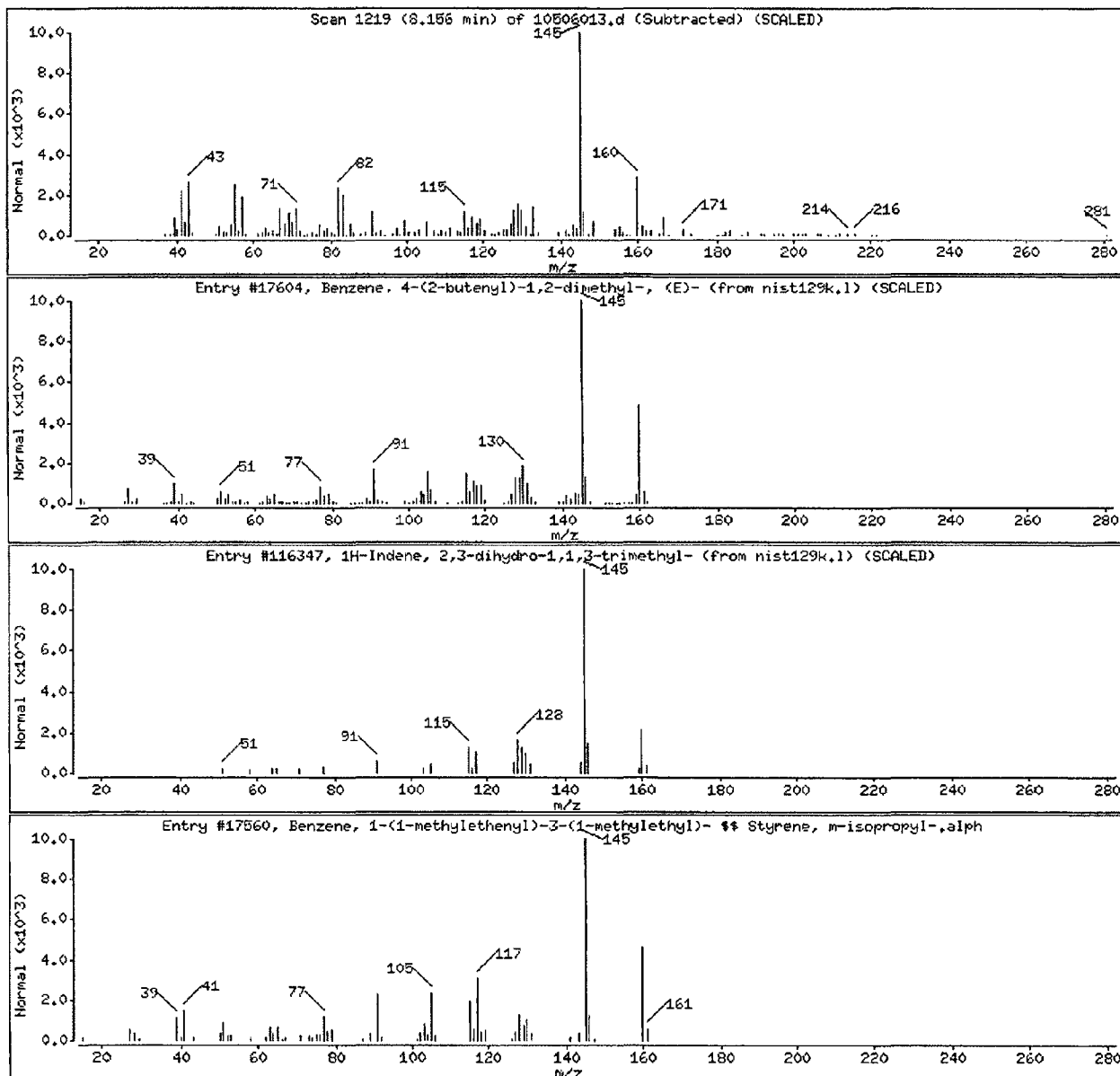
Purge Volume: 6.2

Operator: JEW

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzene, 4-(2-butenyl)-1,2-dimethyl-, (E)	54340-86-2	nist129k.1	17604	86	C12H16	160
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-	2613-76-5	nist129k.1	116347	86	C12H16	160
Benzene, 1-(1-methylethenyl)-3-(1-methyl	1129-29-9	nist129k.1	17560	86	C12H16	160



CABOT-EPA 006622

Data File: \\30wintarget\chem\30msv1.1\1050610.b\1.1\10506013.d

Date : 06-MAY-2010 16:18

Client ID: 2H/4H-12

Instrument: 30msv1.i

Sample Info: 3027140007,,6,21

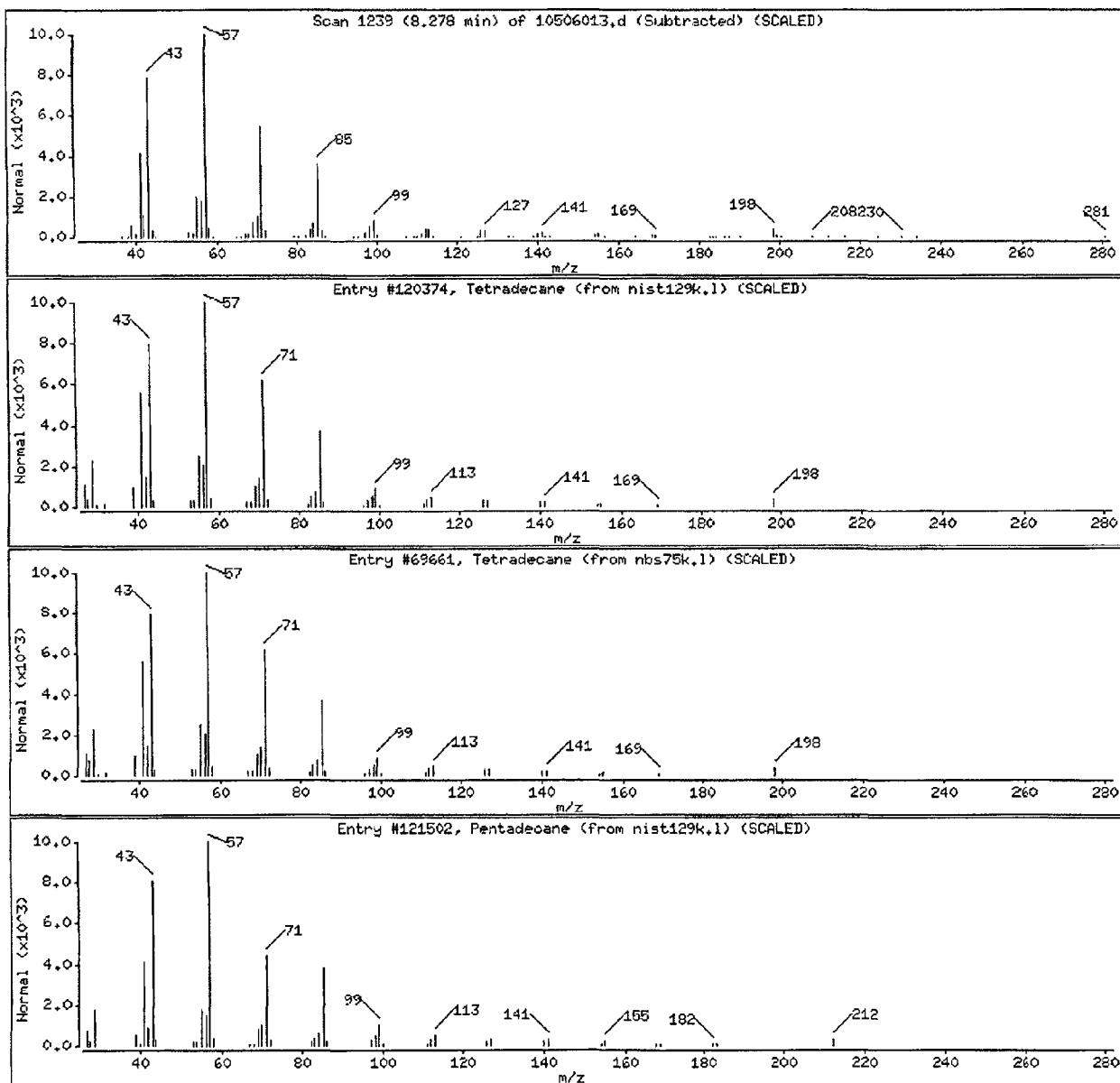
Purge Volume: 6.2

Operator: JEN

Column phase: RTX-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Tetradecane	629-59-4	nist129k.1	120374	98	C14H30	198
Tetradecane	629-59-4	nbs75k.1	69661	98	C14H30	198
Pentadecane	629-62-9	nist129k.1	121502	96	C15H32	212



CABOT-EPA 006623

# SVOC Tics



FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 30MSS1-MSS105071

Matrix: (soil/water) SOIL

Lab Sample ID: 166856

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: M10507E2

Level: (low/med) LOW

Date Received: 05/06/10

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted: 07/11/91

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/07/10

Injection Volume: \_\_\_\_\_ (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.82	0.000	
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FORM I SV-TIC

CABOT-EPA 006625

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB

Lab Name: \_\_\_\_\_ Contract: \_\_\_\_\_  
 Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 30MSS1-MSS105121  
 Matrix: (soil/water) SOIL Lab Sample ID: 168409  
 Sample wt/vol: 15.0 (g/mL) G Lab File ID: M10512A4  
 Level: (low/med) LOW Date Received: 05/11/10  
 % Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_ Date Extracted: 07/11/91  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/12/10  
 Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.75	258	J
2.	UNKNOWN	4.09	211	J
3.				
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FORM I SV-TIC

CABOT-EPA 006626

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-1

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111  
Matrix: (soil/water) SOIL Lab Sample ID: 3027140001  
Sample wt/vol: 15.4 (g/mL) G Lab File ID: M10511A0  
Level: (low/med) LOW Date Received: 05/05/10  
% Moisture: 9 decanted: (Y/N) N Date Extracted: 07/11/91  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10  
Injection Volume: (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 10 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.83	1430	J
2.	UNKNOWN	11.63	1040	J
3.	UNKNOWN	11.92	159	J
4.	UNKNOWN	13.51	256	J
5.	UNKNOWN	13.60	871	J
6. 646-31-1	TETRACOSANE	13.67	293	NJ
7.	UNKNOWN	13.70	284	J
8.	UNKNOWN	14.07	162	J
9.	UNKNOWN	14.21	156	J
10.	UNKNOWN	14.55	544	J
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FORM I SV-TIC

CABOT-EPA 006627

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-2

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111  
Matrix: (soil/water) SOIL Lab Sample ID: 3027140003  
Sample wt/vol: 15.5 (g/mL) G Lab File ID: M10511A1  
Level: (low/med) LOW Date Received: 05/05/10  
% Moisture: 11 decanted: (Y/N) N Date Extracted: 07/11/91  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10  
Injection Volume: (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 7.0

Number TJC's found: 1 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.82	1410	J
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FORM I SV-TIC

CABOT-EPA 006628

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-7

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111

Matrix: (soil/water) SOIL Lab Sample ID: 3027140005

Sample wt/vol: 15.2 (g/mL) G Lab File ID: M10511A2

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: 57 decanted: (Y/N) N Date Extracted: 07/11/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10

Injection Volume: (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 5

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.83	682	J
2.	UNKNOWN	6.39	1480	J
3.	UNKNOWN	7.71	830	J
4.	UNKNOWN	8.95	108	J
5.	UNKNOWN	11.14	99.6	J
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FORM I SV-TIC

CABOT-EPA 006629

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-12

Lab Name: Contract:  
Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111  
Matrix: (soil/water) SOIL Lab Sample ID: 3027140007  
Sample wt/vol: 15.0 (g/mL) G Lab File ID: M10511E0  
Level: (low/med) LOW Date Received: 05/05/10  
% Moisture: 15 decanted: (Y/N) N Date Extracted: 07/11/91  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10  
Injection Volume: (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 4 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 144-19-4	1,3-PENTANEDIOL, 2,2,4-TRIME	6.39	3400	NJ
2. 292-46-6	LENTHIONINE	9.35	154	NJ
3.	UNKNOWN	9.76	169	J
4. 10544-50-0	CYCLIC OCTAATOMIC SULFUR	11.14	204	NJ
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FORM I SV-TIC

CABOT-EPA 006630

FORM 1 URS Corporation - PG05-MAY-2010 13:40

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-11

Lab Name: Contract: 2H/4H-11

Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111

Matrix: (soil/water) SOIL Lab Sample ID: 3027140009

Sample wt/vol: 15.3 (g/mL) G Lab File ID: M10511A4

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: 19 decanted: (Y/N) N Date Extracted: 07/11/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10

Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 4

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.83	876	J
2.	UNKNOWN	6.39	1070	J
3.	UNKNOWN	7.71	163	J
4.	UNKNOWN	11.14	343	J
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FORM I SV-TIC

CABOT-EPA 006631

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-10

Lab Name: Contract:   
Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111  
Matrix: (soil/water) SOIL Lab Sample ID: 3027140011  
Sample wt/vol: 15.4 (g/mL) G Lab File ID: M10511A5  
Level: (low/med) LOW Date Received: 05/05/10  
% Moisture: 16 decanted: (Y/N) N Date Extracted: 07/11/91  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10  
Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.82	2300	J
2. 144-19-4	1,3-PENTANEDIOL, 2,2,4-TRIME	6.39	1900	NJ
3.	UNKNOWN	7.71	162	J
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FORM I SV-TIC

CABOT-EPA 006632



FORM 1 URS Corporation - PG05-MAY-2010 13:40  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-4

Lab Name: Contract: 2H/4H-4

Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111

Matrix: (soil/water) SOIL Lab Sample ID: 3027140013

Sample wt/vol: 15.4 (g/mL) G Lab File ID: M10511A6

Level: (low/med) LOW Date Received: 05/05/10

% Moisture: 10 decanted: (Y/N) N Date Extracted: 07/11/91

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10

Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 19 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.83	1500	J
2.	UNKNOWN	8.46	201	J
3. 629-94-7	HENEICOSANE \$\$ N-HENEICOSANE	11.11	139	NJ
4. 629-97-0	DOCOSANE	11.47	444	NJ
5. 638-67-5	TRICOSANE	11.82	1270	NJ
6. 646-31-1	TETRACOSANE	12.16	2790	NJ
7. 7225-66-3	TRIDECANE, 7-HEXYL- \$\$ 7-HEX	12.49	4980	NJ
8. 630-01-3	HEXACOSANE \$\$ N-HEXACOSANE	12.80	5580	NJ
9.	UNKNOWN	13.08	134	J
10. 593-49-7	HEPTACOSANE \$\$ N-HEPTACOSANE	13.10	6430	NJ
11. 112-95-8	EICOSANE	13.28	342	NJ
12. 630-02-4	OCTACOSANE	13.39	10200	NJ
13. 629-94-7	HENEICOSANE	13.56	258	NJ
14. 630-07-9	PENTATRIACONTANE	13.67	9190	NJ
15.	UNKNOWN	13.84	367	J
16. 629-97-0	DOCOSANE \$\$ N-DOCOSANE \$\$ NO	13.94	6480	NJ
17. 629-97-0	DOCOSANE \$\$ N-DOCOSANE \$\$ NO	14.21	5310	NJ
18. 630-06-8	HEXATRIACONTANE	14.46	3600	NJ
19. 646-31-1	TETRACOSANE	14.74	2560	NJ
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FORM I SV-TIC

CABOT-EPA 006633

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-5

Lab Name: Contract:   
Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111  
Matrix: (soil/water) SOIL Lab Sample ID: 3027140015  
Sample wt/vol: 15.4 (g/mL) G Lab File ID: M10511A7  
Level: (low/med) LOW Date Received: 05/05/10  
% Moisture: 8 decanted: (Y/N) N Date Extracted: 07/11/91  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10  
Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Number TICs found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.82	1970	J
2. 629-62-9	PENTADECANE	12.49	137	NJ
3. 1560-88-9	OCTADECANE, 2-METHYL-	12.80	149	NJ
4. 630-07-9	PENTATRIACONTANE	13.10	182	NJ
5. 55333-99-8	EICOSANE, 7-HEXYL- 5S 7-N-HE	13.67	374	NJ
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FORM I SV-TIC

CABOT-EPA 006634

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
 SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-3

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111  
 Matrix: (soil/water) SOIL Lab Sample ID: 3027140017  
 Sample wt/vol: 15.5 (g/mL) G Lab File ID: M10511A8  
 Level: (low/med) LOW Date Received: 05/05/10  
 % Moisture: 10 decanted: (Y/N) N Date Extracted: 07/11/91  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10  
 Injection Volume: (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I SV-TIC

No significant  
 peaks  
 SPL 5/11/10

CABOT-EPA 006635

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-6

Lab Name: Contract:  
Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111  
Matrix: (soil/water) SOIL Lab Sample ID: 3027140019  
Sample wt/vol: 15.0 (g/mL) G Lab File ID: M10511E1  
Level: (low/med) LOW Date Received: 05/05/10  
% Moisture: 4 decanted: (Y/N) N Date Extracted: 07/11/91  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10  
Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I SV-TIC

No searchable Peaks  
SPL 5/11/10

CABOT-EPA 006636

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: MSS1051210.B

Matrix: (soil/water) WATER Lab Sample ID: 3027140021

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M10512A0

Level: (low/med) LOW Date Received: \_\_\_\_\_

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_ Date Extracted: 07/11/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/12/10

Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 19

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.59	2.52	J
2. 144-19-4	1,3-PENTANEDIOL, 2,2,4-TRIME	6.20	11.0	NJ
3.	UNKNOWN	6.24	43.2	J
4.	UNKNOWN	7.53	4.12	J
5.	UNKNOWN	7.66	4.59	J
6.	UNKNOWN	7.69	1.07	J
7. 629-59-4	TETRADECANE	7.80	0.929	NJ
8. 91-64-5	2H-1-BENZOPYRAN-2-ONE	8.07	0.994	NJ
9. 629-62-9	PENTADECANE	8.33	0.857	NJ
10.	UNKNOWN	8.78	3.04	J
11. 544-76-3	HEXADECANE	8.83	0.765	NJ
12. 629-78-7	HEPTADECANE	9.29	1.01	NJ
13.	UNKNOWN	9.87	0.605	J
14.	UNKNOWN	9.92	0.665	J
15.	UNKNOWN	11.46	0.940	J
16. 53057-53-7	1,21-DOCOSADIENE	13.34	2.82	NJ
17. 71502-22-2	9-HEXACOSENE	13.51	10.6	NJ
18. 67860-04-2	OXIRANE, HEPTADECYL- \$\$ 1,2-	13.89	1.40	NJ
19.	UNKNOWN	14.41	1.22	J
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FORM I SV-TIC

CABOT-EPA 006637

FORM 1 URS Corporation - PG05-MAY-2010 13:40  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-9

Lab Name: Contract:   
Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105111  
Matrix: (soil/water) SOIL Lab Sample ID: 3027140023  
Sample wt/vol: 15.0 (g/mL) G Lab File ID: M10511B1  
Level: (low/med) LOW Date Received: 05/05/10  
% Moisture: 75 decanted: (Y/N) N Date Extracted: 07/11/91  
Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/11/10  
Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Number TICs found: 7

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 144-19-4	1,3-PENTANEDIOL, 2,2,4-TRIME	6.40	1260	NJ
2. 74367-33-2	PROPANOIC ACID, 2-METHYL-, 2	7.71	316	NJ
3.	UNKNOWN	8.95	99.2	J
4. 292-46-6	LENTHIONINE	9.34	61.0	NJ
5.	UNKNOWN	9.76	59.9	J
6.	UNKNOWN	10.05	36.5	J
7. 10544-50-0	CYCLIC OCTAATOMIC SULFUR \$\$	11.14	42.4	NJ
8.				
9.				
10.				
11.				
12.				
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28.				
29.				
30.				

FORM I SV-TIC

CABOT-EPA 006638



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:		Page: 1 of 2	
Company: URS CORP		Report To: JAMES PINTA@URS CORP.COM		Attention: DAVID TESTA		1361393	
Address: 501 HOLIDAY DR PITTSBURGH, PA 15200		Copy To: DAVID-TESTA@URSCORP.COM		Company Name:		REGULATORY AGENCY	
Email To: JAMES-PINTA@URS CORP.COM		Purchase Order No:		Address:		NPDES GROUND WATER DRINKING WATER	
Phone: 412 509-4602		Project Name:		Pace Quote Reference:		UST RCRA OTHER	
Requested Due Date: 5/2 TAT		Project Number: 39938634-00018		Pace Project Manager:		Site Location STATE: PA	

ITEM #	SAMPLE ID (A-Z, 0-9, -)	Matrix Codes MATRIX / CODE Drinking Water DW Water WT Waste Water WW Product P Solid/Solid SL Oil OL Wipe WP Air AR Tissue TS Other OT	MATRIX CODE (see valid codes list)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED				PRESERVATIVES	ANALYSIS TEST	Requested Analysis Filtered (Y/N)										Pace Project No. / Lab I.D.																																	
					COMPOSITE START		COMPOSITE END/DRAW				# OF CONTAINERS	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	Methanol	Other	VOCs (TCL & THS)		SVOCs (TCL & THS)	METALS (TAL)	GLYCOLS	PSTH EXTRACTION	MBAS CHLORIDES	NITROGEN																											
					DATE	TIME	DATE	TIME																																														
1	2H/4H-1	SL G	5/4/10	1:35 PM																				001 002																														
2	2H/4H-2	SL G	5/4/10	1:45 PM																				003 004																														
3	2H/4H-7	SL G	5/4/10	2:00 PM																				005 006																														
4	2H/4H-12	SL G	5/4/10	2:15 PM																				007 008																														
5	2H/4H-11	SL G	5/4/10	2:30 PM																				009 010																														
6	2H/4H-10	SL G	5/4/10	2:45 PM																				011 012																														
7	2H/4H-4	SL G	5/4/10	3:00 PM																				013 014																														
8	2H/4H-5	SL G	5/4/10	3:10 PM																				015 016																														
9	2H/4H-3	SL G	5/4/10	3:20 PM																				017 018																														
10	2H/4H-6	SL G	5/4/10	3:30 PM																				019 020																														
11	2H/4H-8	SL G	5/4/10	3:45 PM																				021 022																														
12	2H/4H-9	SL G	5/4/10	4:00 PM																				023 024																														
ADDITIONAL COMMENTS					RELINQUISHED BY / AFFILIATION					DATE					TIME					ACCEPTED BY / AFFILIATION					DATE					TIME					SAMPLE CONDITIONS																			
					GSMITH PACE					5/5					140					GSMITH PACE					5/5/10					12:20					5/5					1340					120					Y Y Y				

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: JAMES PINTA JR

SIGNATURE of SAMPLER: [Signature]

DATE Signed (MM/DD/YY): 5/5/10

Temp in °C

Received on Ice (Y/N)

Custody Seal/Label (Y/N)

Samples intact (Y/N)

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

CABOT-EPA 006639

DIM0227454

DIM0227872



### Sample Condition Upon Receipt

Client Name: WRSProject # 302740Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ noPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other foamThermometer Used 3 5Type of Ice: ☒ Wet ☐ Blue ☐ None ☒ Samples on ice, cooling process has begunCooler Temperature 12.0

Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Comments: \_\_\_\_\_

Date and initials of person examining contents: 5-5-70

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>3 day</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>SL</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions. VOA, coliform, TOC, O&G, Wt-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Lot # of added preservative
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: 5/6/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010

CABOT-EPA 006640





Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

May 14, 2010

Mr. Jim Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

RE: Project: [REDACTED]  
Pace Project No.: 3027393

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com  
Project Manager

Enclosures

#### REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## CERTIFICATIONS

Project: [REDACTED]  
Pace Project No.: 3027393

### Pennsylvania Certification IDs

1638 Roseytown Road Suites 2,3&4 Greensburg, PA  
15601  
Wyoming Certification #. 8TMS-Q  
Wisconsin/PADEP Certification  
West Virginia Certification #. 143  
Washington Certification #. C1941  
Virginia Certification #. 00112  
Virgin Island/PADEP Certification  
Utah/NELAC Certification #. ANTE  
Texas/NELAC Certification #. T104704188-09 TX  
Tennessee Certification #. TN2867  
South Dakota Certification  
Puerto Rico Certification #. PA01457  
Pennsylvania/NELAC Certification #: 65-00282  
Oregon/NELAC Certification #: PA200002  
North Carolina Certification #: 42706  
New York/NELAC Certification #: 10888  
New Mexico Certification  
New Jersey/NELAC Certification #: PA 051  
New Hampshire/NELAC Certification #. 2976  
Nevada Certification  
Montana Certification #. Cert 0082  
Missouri Certification #: 235

Michigan/PADEP Certification  
Massachusetts Certification #: M-PA1457  
Maryland Certification #: 308  
Maine Certification #: PA0091  
Louisiana/NELAC Certification #. LA080002  
Louisiana/NELAC Certification #: 4086  
Kentucky Certification #: 90133  
Kansas/NELAC Certification #: E-10358  
Iowa Certification #. 391  
Indiana/PADEP Certification  
Illinois/PADEP Certification  
Idaho Certification  
Hawaii/PADEP Certification  
Guam/PADEP Certification  
Florida/NELAC Certification #: E87683  
Delaware Certification  
Connecticut Certification #: PH 0694  
Colorado Certification  
California/NELAC Certification #: 04222CA  
Arkansas Certification  
Arizona Certification #: AZ0734  
Alabama Certification #: 41590

## REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006642



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Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027393001	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-1R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3027393002	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-1R ASTM	EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027393003	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-2R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3027393004	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-2R ASTM	EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027393005	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-3R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3027393006	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-3R ASTM	EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027393007	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-4R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3027393008	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-4R ASTM	EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027393009	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-5R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project. XXXXXXXXXX  
Pace Project No.: 3027393

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027393010	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-5R ASTM	EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027393011	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-6R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3027393012	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-6R ASTM	EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027393013	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-7R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3027393014	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-7R ASTM	EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027393015	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-8R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3027393016	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-8R ASTM	EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027393017	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-9R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3027393018	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-9R ASTM	EPA 350.1	DJT	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-Cl-E	DJT	1	PASI-PA
3027393019	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-10R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project. [REDACTED]  
Pace Project No.: 3027393

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393020	[REDACTED] 2H/4H-10R ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027393021	[REDACTED] 2H/4H-11R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393022	[REDACTED] 2H/4H-11R ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027393023	[REDACTED] 2H/4H-12R	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027393024	[REDACTED] 2H/4H-12R ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-1R Lab ID: 3027393001 Collected: 05/10/10 12:30 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	10800	mg/kg	6.8	1	05/11/10 16:38	05/13/10 14:40	7429-90-5	
Antimony	ND	mg/kg	0.34	1	05/11/10 16:38	05/13/10 14:40	7440-36-0	
Arsenic	3.6	mg/kg	0.34	1	05/11/10 16:38	05/13/10 14:40	7440-38-2	
Barium	176	mg/kg	1.4	1	05/11/10 16:38	05/13/10 14:40	7440-39-3	
Beryllium	0.47	mg/kg	0.14	1	05/11/10 16:38	05/13/10 14:40	7440-41-7	
Boron	5.1	mg/kg	3.4	1	05/11/10 16:38	05/13/10 14:40	7440-42-8	
Cadmium	ND	mg/kg	0.14	1	05/11/10 16:38	05/13/10 14:40	7440-43-9	
Calcium	2040	mg/kg	137	1	05/11/10 16:38	05/13/10 14:40	7440-70-2	
Chromium	13.2	mg/kg	0.34	1	05/11/10 16:38	05/13/10 14:40	7440-47-3	
Cobalt	11.8	mg/kg	0.68	1	05/11/10 16:38	05/13/10 14:40	7440-48-4	
Copper	27.6	mg/kg	0.68	1	05/11/10 16:38	05/13/10 14:40	7440-50-8	
Iron	22800	mg/kg	6.8	1	05/11/10 16:38	05/13/10 14:40	7439-89-6	
Lead	0.47	mg/kg	0.34	1	05/11/10 16:38	05/13/10 14:40	7439-92-1	
Magnesium	4300	mg/kg	34.2	1	05/11/10 16:38	05/13/10 14:40	7439-95-4	
Manganese	432	mg/kg	0.68	1	05/11/10 16:38	05/13/10 14:40	7439-96-5	
Molybdenum	ND	mg/kg	1.4	1	05/11/10 16:38	05/13/10 14:40	7439-98-7	
Nickel	19.5	mg/kg	1.4	1	05/11/10 16:38	05/13/10 14:40	7440-02-0	
Potassium	1420	mg/kg	34.2	1	05/11/10 16:38	05/13/10 14:40	7440-09-7	
Selenium	ND	mg/kg	0.34	1	05/11/10 16:38	05/13/10 14:40	7782-49-2	
Silver	ND	mg/kg	0.14	1	05/11/10 16:38	05/13/10 14:40	7440-22-4	
Sodium	ND	mg/kg	342	1	05/11/10 16:38	05/13/10 14:40	7440-23-5	
Thallium	ND	mg/kg	1.4	1	05/11/10 16:38	05/13/10 14:40	7440-28-0	
Vanadium	12.1	mg/kg	0.68	1	05/11/10 16:38	05/13/10 14:40	7440-62-2	
Zinc	53.7	mg/kg	0.68	1	05/11/10 16:38	05/13/10 14:40	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.10	1	05/12/10 11:39	05/13/10 11:11	7439-97-6	
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### 8270 MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	83-32-9	
Acenaphthylene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	208-96-8	
Anthracene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	120-12-7	
Azobenzene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	103-33-3	
Benzo(a)anthracene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	56-55-3	
Benzo(a)pyrene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	207-08-9	
Benzoic acid	ND	ug/kg	886	1	05/11/10 16:25	05/12/10 15:24	65-85-0	
Benzyl alcohol	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	101-55-3	
Butylbenzylphthalate	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	85-68-7	
Carbazole	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	59-50-7	
4-Chloroaniline	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No : 3027393

Sample: XXXXXXXXXX 2H/4H-1R Lab ID: 3027393001 Collected: 05/10/10 12:30 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	108-60-1	
2-Chloronaphthalene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	91-58-7	
2-Chlorophenol	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	7005-72-3	
Chrysene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	53-70-3	
Dibenzofuran	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	120-83-2	
Diethylphthalate	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	105-67-9	
Dimethylphthalate	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	131-11-3	
Di-n-butylphthalate	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	886	1	05/11/10 16:25	05/12/10 15:24	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	886	1	05/11/10 16:25	05/12/10 15:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	606-20-2	
Di-n-octylphthalate	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	117-81-7	
Fluoranthene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	206-44-0	
Fluorene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	87-68-3	
Hexachlorobenzene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	77-47-4	
Hexachloroethane	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	193-39-5	
Isophorone	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	78-59-1	
1-Methylnaphthalene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	90-12-0	
2-Methylnaphthalene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	708	1	05/11/10 16:25	05/12/10 15:24		
Naphthalene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	91-20-3	
2-Nitroaniline	ND	ug/kg	886	1	05/11/10 16:25	05/12/10 15:24	88-74-4	
3-Nitroaniline	ND	ug/kg	886	1	05/11/10 16:25	05/12/10 15:24	99-09-2	
4-Nitroaniline	ND	ug/kg	886	1	05/11/10 16:25	05/12/10 15:24	100-01-6	
Nitrobenzene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	98-95-3	
2-Nitrophenol	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	88-75-5	
4-Nitrophenol	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-1R Lab ID: 3027393001 Collected: 05/10/10 12:30 Received: 05/11/10 10:00 Matrx Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method. EPA 8270 Preparation Method EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	86-30-6	
Pentachlorophenol	ND	ug/kg	886	1	05/11/10 16:25	05/12/10 15:24	87-86-5	
Phenanthrene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	85-01-8	
Phenol	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	108-95-2	
Pyrene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	886	1	05/11/10 16:25	05/12/10 15:24	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	354	1	05/11/10 16:25	05/12/10 15:24	88-06-2	
Nitrobenzene-d5 (S)	79	%	35-114	1	05/11/10 16:25	05/12/10 15:24	4165-60-0	
2-Fluorobiphenyl (S)	95	%	43-116	1	05/11/10 16:25	05/12/10 15:24	321-60-8	
Terphenyl-d14 (S)	113	%	33-141	1	05/11/10 16:25	05/12/10 15:24	1718-51-0	
Phenol-d6 (S)	89	%	10-110	1	05/11/10 16:25	05/12/10 15:24	13127-88-3	
2-Fluorophenol (S)	85	%	21-110	1	05/11/10 16:25	05/12/10 15:24	367-12-4	
2,4,6-Tribromophenol (S)	110	%	10-123	1	05/11/10 16:25	05/12/10 15:24	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method. EPA 8260

Acetone	34.6	ug/kg	9.2	1		05/12/10 20:12	67-64-1	
Benzene	ND	ug/kg	4.6	1		05/12/10 20:12	71-43-2	
Bromochloromethane	ND	ug/kg	4.6	1		05/12/10 20:12	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		05/12/10 20:12	75-27-4	
Bromoform	ND	ug/kg	4.6	1		05/12/10 20:12	75-25-2	
Bromomethane	ND	ug/kg	4.6	1		05/12/10 20:12	74-83-9	
TOTAL BTEX	ND	ug/kg	27.5	1		05/12/10 20:12		
2-Butanone (MEK)	ND	ug/kg	9.2	1		05/12/10 20:12	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		05/12/10 20:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		05/12/10 20:12	135-98-8	
Carbon disulfide	ND	ug/kg	4.6	1		05/12/10 20:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1		05/12/10 20:12	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		05/12/10 20:12	108-90-7	
Chloroethane	ND	ug/kg	4.6	1		05/12/10 20:12	75-00-3	
Chloroform	ND	ug/kg	4.6	1		05/12/10 20:12	67-66-3	
Chloromethane	ND	ug/kg	4.6	1		05/12/10 20:12	74-87-3	
Dibromochloromethane	ND	ug/kg	4.6	1		05/12/10 20:12	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		05/12/10 20:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		05/12/10 20:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		05/12/10 20:12	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.6	1		05/12/10 20:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		05/12/10 20:12	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	9.2	1		05/12/10 20:12	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.6	1		05/12/10 20:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		05/12/10 20:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		05/12/10 20:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		05/12/10 20:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		05/12/10 20:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		05/12/10 20:12	10061-02-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project. [REDACTED]  
Pace Project No.: 3027393

Sample: [REDACTED] 2H/4H-1R Lab ID: 3027393001 Collected 05/10/10 12:30 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.6	1		05/12/10 20:12	100-41-4	
2-Hexanone	ND	ug/kg	9.2	1		05/12/10 20:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		05/12/10 20:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		05/12/10 20:12	99-87-6	
Methylene Chloride	ND	ug/kg	4.6	1		05/12/10 20:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.2	1		05/12/10 20:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		05/12/10 20:12	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		05/12/10 20:12	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		05/12/10 20:12	103-65-1	
Styrene	ND	ug/kg	4.6	1		05/12/10 20:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		05/12/10 20:12	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		05/12/10 20:12	127-18-4	
Toluene	ND	ug/kg	4.6	1		05/12/10 20:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		05/12/10 20:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		05/12/10 20:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		05/12/10 20:12	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		05/12/10 20:12	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		05/12/10 20:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		05/12/10 20:12	108-67-8	
Vinyl chloride	ND	ug/kg	4.6	1		05/12/10 20:12	75-01-4	
Xylene (Total)	ND	ug/kg	13.8	1		05/12/10 20:12	1330-20-7	
m&p-Xylene	ND	ug/kg	9.2	1		05/12/10 20:12	179601-23-1	
o-Xylene	ND	ug/kg	4.6	1		05/12/10 20:12	95-47-6	
Toluene-d8 (S)	90 %		70-130	1		05/12/10 20:12	2037-26-5	
4-Bromofluorobenzene (S)	100 %		70-130	1		05/12/10 20:12	460-00-4	
1,2-Dichloroethane-d4 (S)	136 %		70-130	1		05/12/10 20:12	17060-07-0	S0
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	7.4 %		0.10	1		05/12/10 14:58		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	ND	mg/kg	5.4	1		05/12/10 15:22	7664-41-7	

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### ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No : 3027393

<b>Sample:</b> <span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-1R ASTM		<b>Lab ID:</b> 3027393002	Collected: 05/10/10 12:30	Received: 05/11/10 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/13/10 14:08		2c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND	mg/L	3.0	1		05/12/10 20:37	16887-00-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-2R Lab ID: 3027393003 Collected: 05/10/10 12:50 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	9500	mg/kg	7.6	1	05/11/10 16:38	05/13/10 14:43	7429-90-5	
Antimony	ND	mg/kg	0.38	1	05/11/10 16:38	05/13/10 14:43	7440-36-0	
Arsenic	2.7	mg/kg	0.38	1	05/11/10 16:38	05/13/10 14:43	7440-38-2	
Barium	123	mg/kg	1.5	1	05/11/10 16:38	05/13/10 14:43	7440-39-3	
Beryllium	0.41	mg/kg	0.15	1	05/11/10 16:38	05/13/10 14:43	7440-41-7	
Boron	5.2	mg/kg	3.8	1	05/11/10 16:38	05/13/10 14:43	7440-42-8	
Cadmium	ND	mg/kg	0.15	1	05/11/10 16:38	05/13/10 14:43	7440-43-9	
Calcium	2230	mg/kg	151	1	05/11/10 16:38	05/13/10 14:43	7440-70-2	
Chromium	12.2	mg/kg	0.38	1	05/11/10 16:38	05/13/10 14:43	7440-47-3	
Cobalt	9.1	mg/kg	0.76	1	05/11/10 16:38	05/13/10 14:43	7440-48-4	
Copper	18.1	mg/kg	0.76	1	05/11/10 16:38	05/13/10 14:43	7440-50-8	
Iron	20800	mg/kg	7.6	1	05/11/10 16:38	05/13/10 14:43	7439-89-6	
Lead	ND	mg/kg	0.38	1	05/11/10 16:38	05/13/10 14:43	7439-92-1	
Magnesium	3830	mg/kg	37.9	1	05/11/10 16:38	05/13/10 14:43	7439-95-4	
Manganese	249	mg/kg	0.76	1	05/11/10 16:38	05/13/10 14:43	7439-96-5	
Molybdenum	ND	mg/kg	1.5	1	05/11/10 16:38	05/13/10 14:43	7439-98-7	
Nickel	17.1	mg/kg	1.5	1	05/11/10 16:38	05/13/10 14:43	7440-02-0	
Potassium	1370	mg/kg	37.9	1	05/11/10 16:38	05/13/10 14:43	7440-09-7	
Selenium	ND	mg/kg	0.38	1	05/11/10 16:38	05/13/10 14:43	7782-49-2	
Silver	0.16	mg/kg	0.15	1	05/11/10 16:38	05/13/10 14:43	7440-22-4	
Sodium	ND	mg/kg	379	1	05/11/10 16:38	05/13/10 14:43	7440-23-5	
Thallium	ND	mg/kg	1.5	1	05/11/10 16:38	05/13/10 14:43	7440-28-0	
Vanadium	11.0	mg/kg	0.76	1	05/11/10 16:38	05/13/10 14:43	7440-62-2	
Zinc	46.1	mg/kg	0.76	1	05/11/10 16:38	05/13/10 14:43	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.10	1	05/12/10 11:39	05/13/10 11:16	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	83-32-9	
Acenaphthylene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	208-96-8	
Anthracene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	120-12-7	
Azobenzene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	103-33-3	
Benzo(a)anthracene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	56-55-3	
Benzo(a)pyrene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	207-08-9	
Benzoic acid	ND	ug/kg	866	1	05/11/10 16:25	05/12/10 16:33	65-85-0	
Benzyl alcohol	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	101-55-3	
Butylbenzylphthalate	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	85-68-7	
Carbazole	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	59-50-7	
4-Chloroaniline	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No. 3027393

Sample: XXXXXXXXXX 2H/4H-2R Lab ID: 3027393003 Collected: 05/10/10 12:50 Received 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV FULL LIST Analytical Method: EPA 8270 Preparation Method: EPA 3546								
MICROWAVE								
bis(2-Chloroethoxy)methane	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	108-60-1	
2-Chloronaphthalene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	91-58-7	
2-Chlorophenol	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	7005-72-3	
Chrysene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	53-70-3	
Dibenzofuran	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	120-83-2	
Diethylphthalate	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	84-68-2	
2,4-Dimethylphenol	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	105-67-9	
Dimethylphthalate	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	131-11-3	
Di-n-butylphthalate	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	866	1	05/11/10 16:25	05/12/10 16:33	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	866	1	05/11/10 16:25	05/12/10 16:33	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	606-20-2	
Di-n-octylphthalate	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	117-81-7	
Fluoranthene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	206-44-0	
Fluorene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	87-68-3	
Hexachlorobenzene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	77-47-4	
Hexachloroethane	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	193-39-5	
Isophorone	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	78-59-1	
1-Methylnaphthalene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	90-12-0	
2-Methylnaphthalene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	692	1	05/11/10 16:25	05/12/10 16:33		
Naphthalene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	91-20-3	
2-Nitroaniline	ND	ug/kg	866	1	05/11/10 16:25	05/12/10 16:33	88-74-4	
3-Nitroaniline	ND	ug/kg	866	1	05/11/10 16:25	05/12/10 16:33	99-09-2	
4-Nitroaniline	ND	ug/kg	866	1	05/11/10 16:25	05/12/10 16:33	100-01-6	
Nitrobenzene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	98-95-3	
2-Nitrophenol	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	88-75-5	
4-Nitrophenol	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No : 3027393

Sample: XXXXXXXXXX 2H/4H-2R Lab ID: 3027393003 Collected: 05/10/10 12.50 Received: 05/11/10 10.00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method. EPA 8270 Preparation Method. EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	86-30-6	
Pentachlorophenol	ND	ug/kg	866	1	05/11/10 16:25	05/12/10 16:33	87-86-5	
Phenanthrene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	85-01-8	
Phenol	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	108-95-2	
Pyrene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	866	1	05/11/10 16:25	05/12/10 16:33	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	346	1	05/11/10 16:25	05/12/10 16:33	88-06-2	
Nitrobenzene-d5 (S)	77 %		35-114	1	05/11/10 16:25	05/12/10 16:33	4165-60-0	
2-Fluorobiphenyl (S)	90 %		43-116	1	05/11/10 16:25	05/12/10 16:33	321-60-8	
Terphenyl-d14 (S)	109 %		33-141	1	05/11/10 16:25	05/12/10 16:33	1718-51-0	
Phenol-d6 (S)	82 %		10-110	1	05/11/10 16:25	05/12/10 16:33	13127-88-3	
2-Fluorophenol (S)	74 %		21-110	1	05/11/10 16:25	05/12/10 16:33	367-12-4	
2,4,6-Tribromophenol (S)	101 %		10-123	1	05/11/10 16:25	05/12/10 16:33	118-79-6	
<b>8260 MSV 5030 Low Level</b> Analytical Method. EPA 8260								
Acetone	25.4	ug/kg	8.5	1		05/12/10 20:36	67-64-1	
Benzene	ND	ug/kg	4.2	1		05/12/10 20:36	71-43-2	
Bromochloromethane	ND	ug/kg	4.2	1		05/12/10 20:36	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1		05/12/10 20:36	75-27-4	
Bromoform	ND	ug/kg	4.2	1		05/12/10 20:36	75-25-2	
Bromomethane	ND	ug/kg	4.2	1		05/12/10 20:36	74-83-9	
TOTAL BTEX	ND	ug/kg	25.4	1		05/12/10 20:36		
2-Butanone (MEK)	ND	ug/kg	8.5	1		05/12/10 20:36	78-93-3	
n-Butylbenzene	ND	ug/kg	4.2	1		05/12/10 20:36	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1		05/12/10 20:36	135-98-8	
Carbon disulfide	ND	ug/kg	4.2	1		05/12/10 20:36	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.2	1		05/12/10 20:36	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1		05/12/10 20:36	108-90-7	
Chloroethane	ND	ug/kg	4.2	1		05/12/10 20:36	75-00-3	
Chloroform	ND	ug/kg	4.2	1		05/12/10 20:36	67-66-3	
Chloromethane	ND	ug/kg	4.2	1		05/12/10 20:36	74-87-3	
Dibromochloromethane	ND	ug/kg	4.2	1		05/12/10 20:36	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		05/12/10 20:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		05/12/10 20:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		05/12/10 20:36	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.2	1		05/12/10 20:36	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		05/12/10 20:36	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	8.5	1		05/12/10 20:36	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.2	1		05/12/10 20:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		05/12/10 20:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		05/12/10 20:36	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		05/12/10 20:36	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		05/12/10 20:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		05/12/10 20:36	10061-02-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-2R Lab ID: 3027393003 Collected 05/10/10 12:50 Received 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.2	1		05/12/10 20:36	100-41-4	
2-Hexanone	ND	ug/kg	8.5	1		05/12/10 20:36	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		05/12/10 20:36	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		05/12/10 20:36	99-87-6	
Methylene Chloride	ND	ug/kg	4.2	1		05/12/10 20:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.5	1		05/12/10 20:36	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		05/12/10 20:36	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1		05/12/10 20:36	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1		05/12/10 20:36	103-65-1	
Styrene	ND	ug/kg	4.2	1		05/12/10 20:36	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		05/12/10 20:36	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		05/12/10 20:36	127-18-4	
Toluene	ND	ug/kg	4.2	1		05/12/10 20:36	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		05/12/10 20:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		05/12/10 20:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		05/12/10 20:36	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		05/12/10 20:36	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		05/12/10 20:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		05/12/10 20:36	108-67-8	
Vinyl chloride	ND	ug/kg	4.2	1		05/12/10 20:36	75-01-4	
Xylene (Total)	ND	ug/kg	12.7	1		05/12/10 20:36	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	1		05/12/10 20:36	179601-23-1	
o-Xylene	ND	ug/kg	4.2	1		05/12/10 20:36	95-47-6	
Toluene-d8 (S)	91	%	70-130	1		05/12/10 20:36	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130	1		05/12/10 20:36	460-00-4	
1,2-Dichloroethane-d4 (S)	131	%	70-130	1		05/12/10 20:36	17060-07-0	S0
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	5.6	%	0.10	1		05/12/10 14:59		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	ND	mg/kg	4.8	1		05/12/10 15:23	7664-41-7	

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Greensburg, PA 15601  
(724)850-5600

### ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No.: 3027393

Sample: <div></div> 2H/4H-2R ASTM		Lab ID: 3027393004	Collected: 05/10/10 12:50	Received: 05/11/10 10:00	Matrix: Water				
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants		Analytical Method: SM 5540C							
Surfactants	ND mg/L		0.10	1			05/13/10 14:08		2c
4500 Chloride		Analytical Method: SM 4500-Cl-E							
Chloride	ND mg/L		3.0	1			05/12/10 20:40	16887-00-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-3R Lab ID: 3027393005 Collected: 05/10/10 13:10 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	12300	mg/kg	9.7	1	05/11/10 16:38	05/13/10 14:46	7429-90-5	
Antimony	ND	mg/kg	0.49	1	05/11/10 16:38	05/13/10 14:46	7440-36-0	
Arsenic	2.2	mg/kg	0.49	1	05/11/10 16:38	05/13/10 14:46	7440-38-2	
Barium	234	mg/kg	1.9	1	05/11/10 16:38	05/13/10 14:46	7440-39-3	
Beryllium	0.73	mg/kg	0.19	1	05/11/10 16:38	05/13/10 14:46	7440-41-7	
Boron	8.2	mg/kg	4.9	1	05/11/10 16:38	05/13/10 14:46	7440-42-8	
Cadmium	ND	mg/kg	0.19	1	05/11/10 16:38	05/13/10 14:46	7440-43-9	
Calcium	2370	mg/kg	195	1	05/11/10 16:38	05/13/10 14:46	7440-70-2	
Chromium	18.2	mg/kg	0.49	1	05/11/10 16:38	05/13/10 14:46	7440-47-3	
Cobalt	11.4	mg/kg	0.97	1	05/11/10 16:38	05/13/10 14:46	7440-48-4	
Copper	17.9	mg/kg	0.97	1	05/11/10 16:38	05/13/10 14:46	7440-50-8	
Iron	31600	mg/kg	9.7	1	05/11/10 16:38	05/13/10 14:46	7439-89-6	
Lead	1.7	mg/kg	0.49	1	05/11/10 16:38	05/13/10 14:46	7439-92-1	
Magnesium	5270	mg/kg	48.7	1	05/11/10 16:38	05/13/10 14:46	7439-95-4	
Manganese	318	mg/kg	0.97	1	05/11/10 16:38	05/13/10 14:46	7439-96-5	
Molybdenum	ND	mg/kg	1.9	1	05/11/10 16:38	05/13/10 14:46	7439-98-7	
Nickel	26.3	mg/kg	1.9	1	05/11/10 16:38	05/13/10 14:46	7440-02-0	
Potassium	1810	mg/kg	48.7	1	05/11/10 16:38	05/13/10 14:46	7440-09-7	
Selenium	ND	mg/kg	0.49	1	05/11/10 16:38	05/13/10 14:46	7782-49-2	
Silver	0.22	mg/kg	0.19	1	05/11/10 16:38	05/13/10 14:46	7440-22-4	
Sodium	ND	mg/kg	487	1	05/11/10 16:38	05/13/10 14:46	7440-23-5	
Thallium	ND	mg/kg	1.9	1	05/11/10 16:38	05/13/10 14:46	7440-28-0	
Vanadium	16.1	mg/kg	0.97	1	05/11/10 16:38	05/13/10 14:46	7440-62-2	
Zinc	55.8	mg/kg	0.97	1	05/11/10 16:38	05/13/10 14:46	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.11	1	05/12/10 11:39	05/13/10 11:17	7439-97-6	
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### 8270 MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	83-32-9	
Acenaphthylene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	208-96-8	
Anthracene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	120-12-7	
Azobenzene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	103-33-3	
Benzo(a)anthracene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	56-55-3	
Benzo(a)pyrene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	207-08-9	
Benzoic acid	ND	ug/kg	867	1	05/11/10 16:25	05/12/10 16:55	65-85-0	
Benzyl alcohol	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	101-55-3	
Butylbenzylphthalate	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	85-68-7	
Carbazole	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	59-50-7	
4-Chloroaniline	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-3R Lab ID: 3027393005 Collected: 05/10/10 13:10 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	108-60-1	
2-Chloronaphthalene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	91-58-7	
2-Chlorophenol	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	7005-72-3	
Chrysene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	53-70-3	
Dibenzofuran	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	120-83-2	
Diethylphthalate	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	105-67-9	
Dimethylphthalate	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	131-11-3	
Di-n-butylphthalate	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	867	1	05/11/10 16:25	05/12/10 16:55	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	867	1	05/11/10 16:25	05/12/10 16:55	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	606-20-2	
Di-n-octylphthalate	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	117-81-7	
Fluoranthene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	206-44-0	
Fluorene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	87-68-3	
Hexachlorobenzene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	77-47-4	
Hexachloroethane	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	193-39-5	
Isophorone	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	78-59-1	
1-Methylnaphthalene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	90-12-0	
2-Methylnaphthalene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	693	1	05/11/10 16:25	05/12/10 16:55		
Naphthalene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	91-20-3	
2-Nitroaniline	ND	ug/kg	867	1	05/11/10 16:25	05/12/10 16:55	88-74-4	
3-Nitroaniline	ND	ug/kg	867	1	05/11/10 16:25	05/12/10 16:55	99-09-2	
4-Nitroaniline	ND	ug/kg	867	1	05/11/10 16:25	05/12/10 16:55	100-01-6	
Nitrobenzene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	98-95-3	
2-Nitrophenol	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	88-75-5	
4-Nitrophenol	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project. [REDACTED]  
Pace Project No.: 3027393

Sample: [REDACTED] 2H/4H-3R Lab ID: 3027393005 Collected: 05/10/10 13:10 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	86-30-6	
Pentachlorophenol	ND	ug/kg	867	1	05/11/10 16:25	05/12/10 16:55	87-86-5	
Phenanthrene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	85-01-8	
Phenol	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	108-95-2	
Pyrene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	867	1	05/11/10 16:25	05/12/10 16:55	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	347	1	05/11/10 16:25	05/12/10 16:55	88-06-2	
Nitrobenzene-d5 (S)	75 %		35-114	1	05/11/10 16:25	05/12/10 16:55	4165-60-0	
2-Fluorobiphenyl (S)	98 %		43-116	1	05/11/10 16:25	05/12/10 16:55	321-60-8	
Terphenyl-d14 (S)	106 %		33-141	1	05/11/10 16:25	05/12/10 16:55	1718-51-0	
Phenol-d6 (S)	82 %		10-110	1	05/11/10 16:25	05/12/10 16:55	13127-88-3	
2-Fluorophenol (S)	87 %		21-110	1	05/11/10 16:25	05/12/10 16:55	367-12-4	
2,4,6-Tribromophenol (S)	99 %		10-123	1	05/11/10 16:25	05/12/10 16:55	118-79-6	
<b>8260 MSV 5030 Low Level</b>								
Analytical Method EPA 8260								
Acetone	13.1	ug/kg	8.9	1		05/12/10 21:01	67-64-1	
Benzene	ND	ug/kg	4.5	1		05/12/10 21:01	71-43-2	
Bromochloromethane	ND	ug/kg	4.5	1		05/12/10 21:01	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		05/12/10 21:01	75-27-4	
Bromoform	ND	ug/kg	4.5	1		05/12/10 21:01	75-25-2	
Bromomethane	ND	ug/kg	4.5	1		05/12/10 21:01	74-83-9	
TOTAL BTEX	ND	ug/kg	26.8	1		05/12/10 21:01		
2-Butanone (MEK)	ND	ug/kg	8.9	1		05/12/10 21:01	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		05/12/10 21:01	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		05/12/10 21:01	135-98-8	
Carbon disulfide	ND	ug/kg	4.5	1		05/12/10 21:01	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.5	1		05/12/10 21:01	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		05/12/10 21:01	108-90-7	
Chloroethane	ND	ug/kg	4.5	1		05/12/10 21:01	75-00-3	
Chloroform	ND	ug/kg	4.5	1		05/12/10 21:01	67-66-3	
Chloromethane	ND	ug/kg	4.5	1		05/12/10 21:01	74-87-3	
Dibromochloromethane	ND	ug/kg	4.5	1		05/12/10 21:01	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		05/12/10 21:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		05/12/10 21:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		05/12/10 21:01	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.5	1		05/12/10 21:01	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		05/12/10 21:01	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	8.9	1		05/12/10 21:01	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.5	1		05/12/10 21:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		05/12/10 21:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		05/12/10 21:01	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		05/12/10 21:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		05/12/10 21:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		05/12/10 21:01	10061-02-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-3R Lab ID: 3027393005 Collected: 05/10/10 13:10 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.5	1		05/12/10 21:01	100-41-4	
2-Hexanone	ND	ug/kg	8.9	1		05/12/10 21:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		05/12/10 21:01	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		05/12/10 21:01	99-87-6	
Methylene Chloride	ND	ug/kg	4.5	1		05/12/10 21:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.9	1		05/12/10 21:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		05/12/10 21:01	1634-04-4	
Naphthalene	ND	ug/kg	4.5	1		05/12/10 21:01	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1		05/12/10 21:01	103-65-1	
Styrene	ND	ug/kg	4.5	1		05/12/10 21:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		05/12/10 21:01	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		05/12/10 21:01	127-18-4	
Toluene	ND	ug/kg	4.5	1		05/12/10 21:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		05/12/10 21:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		05/12/10 21:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		05/12/10 21:01	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		05/12/10 21:01	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		05/12/10 21:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		05/12/10 21:01	108-67-8	
Vinyl chloride	ND	ug/kg	4.5	1		05/12/10 21:01	75-01-4	
Xylene (Total)	ND	ug/kg	13.4	1		05/12/10 21:01	1330-20-7	
m&p-Xylene	ND	ug/kg	8.9	1		05/12/10 21:01	179601-23-1	
o-Xylene	ND	ug/kg	4.5	1		05/12/10 21:01	95-47-6	
Toluene-d8 (S)	88	%	70-130	1		05/12/10 21:01	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130	1		05/12/10 21:01	460-00-4	
1,2-Dichloroethane-d4 (S)	137	%	70-130	1		05/12/10 21:01	17060-07-0	S0
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	5.0	%	0.10	1		05/12/10 15:01		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	ND	mg/kg	4.7	1		05/12/10 15:23	7664-41-7	

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## ANALYTICAL RESULTS

Project [REDACTED]  
Pace Project No.: 3027393

<b>Sample:</b> <span style="background-color: black; color: black;">[REDACTED]</span> 2H/4H-3R ASTM		<b>Lab ID:</b> 3027393006	Collected: 05/10/10 13:10	Received: 05/11/10 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	0.14	mg/L	0.10	1		05/13/10 14:08		2c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND	mg/L	3.0	1		05/12/10 20:40	16887-00-6	

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## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No: 3027393

Sample: [REDACTED] 2H/4H-4R Lab ID: 3027393007 Collected: 05/10/10 13:40 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	12800	mg/kg	9.4	1	05/11/10 16:38	05/13/10 14:49	7429-90-5	
Antimony	0.56	mg/kg	0.47	1	05/11/10 16:38	05/13/10 14:49	7440-36-0	
Arsenic	5.1	mg/kg	0.47	1	05/11/10 16:38	05/13/10 14:49	7440-38-2	
Barium	118	mg/kg	1.9	1	05/11/10 16:38	05/13/10 14:49	7440-39-3	
Beryllium	0.89	mg/kg	0.19	1	05/11/10 16:38	05/13/10 14:49	7440-41-7	
Boron	9.4	mg/kg	4.7	1	05/11/10 16:38	05/13/10 14:49	7440-42-8	
Cadmium	ND	mg/kg	0.19	1	05/11/10 16:38	05/13/10 14:49	7440-43-9	
Calcium	3100	mg/kg	168	1	05/11/10 16:38	05/13/10 14:49	7440-70-2	
Chromium	19.3	mg/kg	0.47	1	05/11/10 16:38	05/13/10 14:49	7440-47-3	
Cobalt	19.6	mg/kg	0.94	1	05/11/10 16:38	05/13/10 14:49	7440-48-4	
Copper	27.6	mg/kg	0.94	1	05/11/10 16:38	05/13/10 14:49	7440-50-8	
Iron	37400	mg/kg	9.4	1	05/11/10 16:38	05/13/10 14:49	7439-89-6	
Lead	4.5	mg/kg	0.47	1	05/11/10 16:38	05/13/10 14:49	7439-92-1	
Magnesium	5550	mg/kg	47.0	1	05/11/10 16:38	05/13/10 14:49	7439-95-4	
Manganese	292	mg/kg	0.94	1	05/11/10 16:38	05/13/10 14:49	7439-96-5	
Molybdenum	ND	mg/kg	1.9	1	05/11/10 16:38	05/13/10 14:49	7439-98-7	
Nickel	32.4	mg/kg	1.9	1	05/11/10 16:38	05/13/10 14:49	7440-02-0	
Potassium	1890	mg/kg	47.0	1	05/11/10 16:38	05/13/10 14:49	7440-09-7	
Selenium	0.49	mg/kg	0.47	1	05/11/10 16:38	05/13/10 14:49	7782-49-2	
Silver	0.27	mg/kg	0.19	1	05/11/10 16:38	05/13/10 14:49	7440-22-4	
Sodium	ND	mg/kg	470	1	05/11/10 16:38	05/13/10 14:49	7440-23-5	
Thallium	ND	mg/kg	1.9	1	05/11/10 16:38	05/13/10 14:49	7440-28-0	
Vanadium	18.0	mg/kg	0.94	1	05/11/10 16:38	05/13/10 14:49	7440-62-2	
Zinc	57.4	mg/kg	0.94	1	05/11/10 16:38	05/13/10 14:49	7440-66-6	

**7471 Mercury** Analytical Method: EPA 7471 Preparation Method: EPA 7471  
Mercury ND mg/kg 0.10 1 05/12/10 11:39 05/13/10 11:19 7439-97-6

**8270 MSSV FULL LIST MICROWAVE** Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	83-32-9	
Acenaphthylene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	208-96-8	
Anthracene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	120-12-7	
Azobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	103-33-3	
Benzo(a)anthracene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	56-55-3	
Benzo(a)pyrene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	207-08-9	
Benzoic acid	ND	ug/kg	853	1	05/11/10 16:25	05/12/10 17:18	65-85-0	
Benzyl alcohol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	101-55-3	
Butylbenzylphthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	85-68-7	
Carbazole	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	59-50-7	
4-Chloroaniline	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-4R Lab ID: 3027393007 Collected: 05/10/10 13:40 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	108-60-1	
2-Chloronaphthalene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	91-58-7	
2-Chlorophenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	7005-72-3	
Chrysene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	53-70-3	
Dibenzofuran	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	120-83-2	
Diethylphthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	105-67-9	
Dimethylphthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	131-11-3	
Di-n-butylphthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	853	1	05/11/10 16:25	05/12/10 17:18	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	853	1	05/11/10 16:25	05/12/10 17:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	606-20-2	
Di-n-octylphthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	117-81-7	
Fluoranthene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	206-44-0	
Fluorene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	87-68-3	
Hexachlorobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	77-47-4	
Hexachloroethane	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	193-39-5	
Isophorone	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	78-59-1	
1-Methylnaphthalene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	90-12-0	
2-Methylnaphthalene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	682	1	05/11/10 16:25	05/12/10 17:18		
Naphthalene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	91-20-3	
2-Nitroaniline	ND	ug/kg	853	1	05/11/10 16:25	05/12/10 17:18	88-74-4	
3-Nitroaniline	ND	ug/kg	853	1	05/11/10 16:25	05/12/10 17:18	99-09-2	
4-Nitroaniline	ND	ug/kg	853	1	05/11/10 16:25	05/12/10 17:18	100-01-6	
Nitrobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	98-95-3	
2-Nitrophenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	88-75-5	
4-Nitrophenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-4R Lab ID: 3027393007 Collected: 05/10/10 13:40 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	86-30-6	
Pentachlorophenol	ND	ug/kg	853	1	05/11/10 16:25	05/12/10 17:18	87-86-5	
Phenanthrene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	85-01-8	
Phenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	108-95-2	
Pyrene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	853	1	05/11/10 16:25	05/12/10 17:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 17:18	88-06-2	
Nitrobenzene-d5 (S)	84	%	35-114	1	05/11/10 16:25	05/12/10 17:18	4165-60-0	
2-Fluorobiphenyl (S)	94	%	43-116	1	05/11/10 16:25	05/12/10 17:18	321-60-8	
Terphenyl-d14 (S)	116	%	33-141	1	05/11/10 16:25	05/12/10 17:18	1718-51-0	
Phenol-d6 (S)	85	%	10-110	1	05/11/10 16:25	05/12/10 17:18	13127-88-3	
2-Fluorophenol (S)	85	%	21-110	1	05/11/10 16:25	05/12/10 17:18	367-12-4	
2,4,6-Tribromophenol (S)	106	%	10-123	1	05/11/10 16:25	05/12/10 17:18	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	20.0	ug/kg	9.7	1		05/12/10 21:25	67-64-1	
Benzene	ND	ug/kg	4.9	1		05/12/10 21:25	71-43-2	
Bromochloromethane	ND	ug/kg	4.9	1		05/12/10 21:25	74-97-5	
Bromodichloromethane	ND	ug/kg	4.9	1		05/12/10 21:25	75-27-4	
Bromoform	ND	ug/kg	4.9	1		05/12/10 21:25	75-25-2	
Bromomethane	ND	ug/kg	4.9	1		05/12/10 21:25	74-83-9	
TOTAL BTEX	ND	ug/kg	29.1	1		05/12/10 21:25		
2-Butanone (MEK)	ND	ug/kg	9.7	1		05/12/10 21:25	78-93-3	
n-Butylbenzene	ND	ug/kg	4.9	1		05/12/10 21:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.9	1		05/12/10 21:25	135-98-8	
Carbon disulfide	ND	ug/kg	4.9	1		05/12/10 21:25	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.9	1		05/12/10 21:25	56-23-5	
Chlorobenzene	ND	ug/kg	4.9	1		05/12/10 21:25	108-90-7	
Chloroethane	ND	ug/kg	4.9	1		05/12/10 21:25	75-00-3	
Chloroform	ND	ug/kg	4.9	1		05/12/10 21:25	67-66-3	
Chloromethane	ND	ug/kg	4.9	1		05/12/10 21:25	74-87-3	
Dibromochloromethane	ND	ug/kg	4.9	1		05/12/10 21:25	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.9	1		05/12/10 21:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.9	1		05/12/10 21:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.9	1		05/12/10 21:25	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.9	1		05/12/10 21:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.9	1		05/12/10 21:25	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	9.7	1		05/12/10 21:25	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.9	1		05/12/10 21:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.9	1		05/12/10 21:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.9	1		05/12/10 21:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.9	1		05/12/10 21:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.9	1		05/12/10 21:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.9	1		05/12/10 21:25	10061-02-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No.: 3027393

Sample: [REDACTED] 2H/4H-4R Lab ID: 3027393007 Collected 05/10/10 13.40 Received 05/11/10 10 00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.9	1		05/12/10 21:25	100-41-4	
2-Hexanone	ND	ug/kg	9.7	1		05/12/10 21:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.9	1		05/12/10 21:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.9	1		05/12/10 21:25	99-87-6	
Methylene Chloride	ND	ug/kg	4.9	1		05/12/10 21:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.7	1		05/12/10 21:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.9	1		05/12/10 21:25	1634-04-4	
Naphthalene	ND	ug/kg	4.9	1		05/12/10 21:25	91-20-3	
n-Propylbenzene	ND	ug/kg	4.9	1		05/12/10 21:25	103-65-1	
Styrene	ND	ug/kg	4.9	1		05/12/10 21:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.9	1		05/12/10 21:25	79-34-5	
Tetrachloroethene	ND	ug/kg	4.9	1		05/12/10 21:25	127-18-4	
Toluene	ND	ug/kg	4.9	1		05/12/10 21:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	1		05/12/10 21:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.9	1		05/12/10 21:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.9	1		05/12/10 21:25	79-00-5	
Trichloroethene	ND	ug/kg	4.9	1		05/12/10 21:25	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	1		05/12/10 21:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	1		05/12/10 21:25	108-67-8	
Vinyl chloride	ND	ug/kg	4.9	1		05/12/10 21:25	75-01-4	
Xylene (Total)	ND	ug/kg	14.6	1		05/12/10 21:25	1330-20-7	
m&p-Xylene	ND	ug/kg	9.7	1		05/12/10 21:25	179601-23-1	
o-Xylene	ND	ug/kg	4.9	1		05/12/10 21:25	95-47-6	
Toluene-d8 (S)	88 %		70-130	1		05/12/10 21:25	2037-26-5	
4-Bromofluorobenzene (S)	100 %		70-130	1		05/12/10 21:25	460-00-4	
1,2-Dichloroethane-d4 (S)	132 %		70-130	1		05/12/10 21:25	17060-07-0	S0
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	5.0 %		0.10	1		05/12/10 15.01		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	5.1 mg/kg		5.1	1		05/12/10 15.24	7664-41-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No.: 3027393

Sample: 2H/4H-4R ASTM		Lab ID: 3027393008		Collected	05/10/10 13:40	Received:	05/11/10 10:00	Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
5540C MBAS Surfactants		Analytical Method: SM 5540C							
Surfactants	ND	mg/L	0.10	1			05/13/10 14:08		2c
4500 Chloride		Analytical Method: SM 4500-Cl-E							
Chloride	ND	mg/L	3.0	1			05/12/10 20:41	16887-00-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-5R Lab ID: 3027393009 Collected: 05/10/10 14:15 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	13000	mg/kg	8.3	1	05/11/10 16:38	05/13/10 14:52	7429-90-5	
Antimony	ND	mg/kg	0.41	1	05/11/10 16:38	05/13/10 14:52	7440-36-0	
Arsenic	1.9	mg/kg	0.41	1	05/11/10 16:38	05/13/10 14:52	7440-38-2	
Barium	166	mg/kg	1.7	1	05/11/10 16:38	05/13/10 14:52	7440-39-3	
Beryllium	0.90	mg/kg	0.17	1	05/11/10 16:38	05/13/10 14:52	7440-41-7	
Boron	9.1	mg/kg	4.1	1	05/11/10 16:38	05/13/10 14:52	7440-42-8	
Cadmium	ND	mg/kg	0.17	1	05/11/10 16:38	05/13/10 14:52	7440-43-9	
Calcium	1750	mg/kg	165	1	05/11/10 16:38	05/13/10 14:52	7440-70-2	
Chromium	18.9	mg/kg	0.41	1	05/11/10 16:38	05/13/10 14:52	7440-47-3	
Cobalt	11.4	mg/kg	0.83	1	05/11/10 16:38	05/13/10 14:52	7440-48-4	
Copper	15.6	mg/kg	0.83	1	05/11/10 16:38	05/13/10 14:52	7440-50-8	
Iron	34900	mg/kg	8.3	1	05/11/10 16:38	05/13/10 14:52	7439-89-6	
Lead	1.4	mg/kg	0.41	1	05/11/10 16:38	05/13/10 14:52	7439-92-1	
Magnesium	5460	mg/kg	41.3	1	05/11/10 16:38	05/13/10 14:52	7439-95-4	
Manganese	298	mg/kg	0.83	1	05/11/10 16:38	05/13/10 14:52	7439-96-5	
Molybdenum	ND	mg/kg	1.7	1	05/11/10 16:38	05/13/10 14:52	7439-98-7	
Nickel	29.4	mg/kg	1.7	1	05/11/10 16:38	05/13/10 14:52	7440-02-0	
Potassium	1830	mg/kg	41.3	1	05/11/10 16:38	05/13/10 14:52	7440-09-7	
Selenium	ND	mg/kg	0.41	1	05/11/10 16:38	05/13/10 14:52	7782-49-2	
Silver	0.33	mg/kg	0.17	1	05/11/10 16:38	05/13/10 14:52	7440-22-4	
Sodium	ND	mg/kg	413	1	05/11/10 16:38	05/13/10 14:52	7440-23-5	
Thallium	ND	mg/kg	1.7	1	05/11/10 16:38	05/13/10 14:52	7440-28-0	
Vanadium	15.7	mg/kg	0.83	1	05/11/10 16:38	05/13/10 14:52	7440-62-2	
Zinc	59.5	mg/kg	0.83	1	05/11/10 16:38	05/13/10 14:52	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.10	1	05/12/10 11:39	05/13/10 11:21	7439-97-6	
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### 8270 MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	83-32-9	
Acenaphthylene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	208-96-8	
Anthracene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	120-12-7	
Azobenzene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	103-33-3	
Benzo(a)anthracene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	56-55-3	
Benzo(a)pyrene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	207-08-9	
Benzoic acid	ND	ug/kg	872	1	05/11/10 16:25	05/12/10 17:41	65-85-0	
Benzyl alcohol	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	101-55-3	
Butylbenzylphthalate	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	85-68-7	
Carbazole	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	59-50-7	
4-Chloroaniline	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	106-47-8	

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(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No: 3027393

Sample: XXXXXXXXXX 2H/4H-5R Lab ID: 3027393009 Collected: 05/10/10 14:15 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	108-60-1	
2-Chloronaphthalene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	91-58-7	
2-Chlorophenol	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	7005-72-3	
Chrysene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	53-70-3	
Dibenzofuran	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	120-83-2	
Diethylphthalate	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	105-67-9	
Dimethylphthalate	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	131-11-3	
Di-n-butylphthalate	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	872	1	05/11/10 16:25	05/12/10 17:41	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	872	1	05/11/10 16:25	05/12/10 17:41	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	606-20-2	
Di-n-octylphthalate	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	117-81-7	
Fluoranthene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	206-44-0	
Fluorene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	87-68-3	
Hexachlorobenzene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	77-47-4	
Hexachloroethane	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	193-39-5	
Isophorone	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	78-59-1	
1-Methylnaphthalene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	90-12-0	
2-Methylnaphthalene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	697	1	05/11/10 16:25	05/12/10 17:41		
Naphthalene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	91-20-3	
2-Nitroaniline	ND	ug/kg	872	1	05/11/10 16:25	05/12/10 17:41	88-74-4	
3-Nitroaniline	ND	ug/kg	872	1	05/11/10 16:25	05/12/10 17:41	99-09-2	
4-Nitroaniline	ND	ug/kg	872	1	05/11/10 16:25	05/12/10 17:41	100-01-6	
Nitrobenzene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	98-95-3	
2-Nitrophenol	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	88-75-5	
4-Nitrophenol	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	621-64-7	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-5R Lab ID: 3027393009 Collected: 05/10/10 14:15 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	86-30-6	
Pentachlorophenol	ND	ug/kg	872	1	05/11/10 16:25	05/12/10 17:41	87-86-5	
Phenanthrene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	85-01-8	
Phenol	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	108-95-2	
Pyrene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	872	1	05/11/10 16:25	05/12/10 17:41	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	349	1	05/11/10 16:25	05/12/10 17:41	88-06-2	
Nitrobenzene-d5 (S)	85 %		35-114	1	05/11/10 16:25	05/12/10 17:41	4165-60-0	
2-Fluorobiphenyl (S)	110 %		43-116	1	05/11/10 16:25	05/12/10 17:41	321-60-8	
Terphenyl-d14 (S)	114 %		33-141	1	05/11/10 16:25	05/12/10 17:41	1718-51-0	
Phenol-d6 (S)	93 %		10-110	1	05/11/10 16:25	05/12/10 17:41	13127-88-3	
2-Fluorophenol (S)	98 %		21-110	1	05/11/10 16:25	05/12/10 17:41	367-12-4	
2,4,6-Tribromophenol (S)	115 %		10-123	1	05/11/10 16:25	05/12/10 17:41	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	33.0	ug/kg	8.4	1		05/12/10 21:49	67-64-1	
Benzene	ND	ug/kg	4.2	1		05/12/10 21:49	71-43-2	
Bromochloromethane	ND	ug/kg	4.2	1		05/12/10 21:49	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1		05/12/10 21:49	75-27-4	
Bromoform	ND	ug/kg	4.2	1		05/12/10 21:49	75-25-2	
Bromomethane	ND	ug/kg	4.2	1		05/12/10 21:49	74-83-9	
TOTAL BTEX	ND	ug/kg	25.3	1		05/12/10 21:49		
2-Butanone (MEK)	ND	ug/kg	8.4	1		05/12/10 21:49	78-93-3	
n-Butylbenzene	ND	ug/kg	4.2	1		05/12/10 21:49	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1		05/12/10 21:49	135-98-8	
Carbon disulfide	ND	ug/kg	4.2	1		05/12/10 21:49	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.2	1		05/12/10 21:49	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1		05/12/10 21:49	108-90-7	
Chloroethane	ND	ug/kg	4.2	1		05/12/10 21:49	75-00-3	
Chloroform	ND	ug/kg	4.2	1		05/12/10 21:49	67-66-3	
Chloromethane	ND	ug/kg	4.2	1		05/12/10 21:49	74-87-3	
Dibromochloromethane	ND	ug/kg	4.2	1		05/12/10 21:49	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		05/12/10 21:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		05/12/10 21:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		05/12/10 21:49	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.2	1		05/12/10 21:49	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		05/12/10 21:49	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	8.4	1		05/12/10 21:49	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.2	1		05/12/10 21:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		05/12/10 21:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		05/12/10 21:49	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		05/12/10 21:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		05/12/10 21:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		05/12/10 21:49	10061-02-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-5R Lab ID: 3027393009 Collected: 05/10/10 14:15 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>								
Analytical Method: EPA 8260								
Ethylbenzene	ND	ug/kg	4.2	1		05/12/10 21:49	100-41-4	
2-Hexanone	ND	ug/kg	8.4	1		05/12/10 21:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		05/12/10 21:49	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		05/12/10 21:49	99-87-6	
Methylene Chloride	ND	ug/kg	4.2	1		05/12/10 21:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.4	1		05/12/10 21:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		05/12/10 21:49	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1		05/12/10 21:49	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1		05/12/10 21:49	103-65-1	
Styrene	ND	ug/kg	4.2	1		05/12/10 21:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		05/12/10 21:49	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		05/12/10 21:49	127-18-4	
Toluene	ND	ug/kg	4.2	1		05/12/10 21:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		05/12/10 21:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		05/12/10 21:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		05/12/10 21:49	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		05/12/10 21:49	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		05/12/10 21:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		05/12/10 21:49	108-67-8	
Vinyl chloride	ND	ug/kg	4.2	1		05/12/10 21:49	75-01-4	
Xylene (Total)	ND	ug/kg	12.6	1		05/12/10 21:49	1330-20-7	
m&p-Xylene	ND	ug/kg	8.4	1		05/12/10 21:49	179601-23-1	
o-Xylene	ND	ug/kg	4.2	1		05/12/10 21:49	95-47-6	
Toluene-d8 (S)	90	%	70-130	1		05/12/10 21:49	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130	1		05/12/10 21:49	460-00-4	
1,2-Dichloroethane-d4 (S)	129	%	70-130	1		05/12/10 21:49	17060-07-0	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974-87								
Percent Moisture	5.4	%	0.10	1		05/12/10 15:00		
<b>350.1 Ammonia</b>								
Analytical Method: EPA 350.1								
Nitrogen, Ammonia	6.3	mg/kg	4.8	1		05/12/10 15:25	7664-41-7	

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## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No.: 3027393

<b>Sample:</b> <span style="background-color: black; color: black;">[REDACTED]</span> 2H/4H-5R ASTM		<b>Lab ID:</b> 3027393010	Collected: 05/10/10 14:15		Received: 05/11/10 10:00	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/13/10 14:08		2c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND	mg/L	3.0	1		05/12/10 20:42	16887-00-6	

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## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No: 3027393

Sample: [REDACTED] 2H/4H-6R Lab ID: 3027393011 Collected: 05/10/10 14:35 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	11400	mg/kg	7.6	1	05/11/10 16:38	05/13/10 14:55	7429-90-5	
Antimony	ND	mg/kg	0.38	1	05/11/10 16:38	05/13/10 14:55	7440-36-0	
Arsenic	1.6	mg/kg	0.38	1	05/11/10 16:38	05/13/10 14:55	7440-38-2	
Barium	148	mg/kg	1.5	1	05/11/10 16:38	05/13/10 14:55	7440-39-3	
Beryllium	0.64	mg/kg	0.15	1	05/11/10 16:38	05/13/10 14:55	7440-41-7	
Boron	7.9	mg/kg	3.8	1	05/11/10 16:38	05/13/10 14:55	7440-42-8	
Cadmium	ND	mg/kg	0.15	1	05/11/10 16:38	05/13/10 14:55	7440-43-9	
Calcium	3510	mg/kg	152	1	05/11/10 16:38	05/13/10 14:55	7440-70-2	
Chromium	15.9	mg/kg	0.38	1	05/11/10 16:38	05/13/10 14:55	7440-47-3	
Cobalt	9.8	mg/kg	0.76	1	05/11/10 16:38	05/13/10 14:55	7440-48-4	
Copper	5.9	mg/kg	0.76	1	05/11/10 16:38	05/13/10 14:55	7440-50-8	
Iron	29100	mg/kg	7.6	1	05/11/10 16:38	05/13/10 14:55	7439-89-6	
Lead	0.89	mg/kg	0.38	1	05/11/10 16:38	05/13/10 14:55	7439-92-1	
Magnesium	4680	mg/kg	38.0	1	05/11/10 16:38	05/13/10 14:55	7439-95-4	
Manganese	317	mg/kg	0.76	1	05/11/10 16:38	05/13/10 14:55	7439-96-5	
Molybdenum	ND	mg/kg	1.5	1	05/11/10 16:38	05/13/10 14:55	7439-98-7	
Nickel	23.1	mg/kg	1.5	1	05/11/10 16:38	05/13/10 14:55	7440-02-0	
Potassium	1780	mg/kg	38.0	1	05/11/10 16:38	05/13/10 14:55	7440-09-7	
Selenium	ND	mg/kg	0.38	1	05/11/10 16:38	05/13/10 14:55	7782-49-2	
Silver	0.17	mg/kg	0.15	1	05/11/10 16:38	05/13/10 14:55	7440-22-4	
Sodium	ND	mg/kg	380	1	05/11/10 16:38	05/13/10 14:55	7440-23-5	
Thallium	ND	mg/kg	1.5	1	05/11/10 16:38	05/13/10 14:55	7440-28-0	
Vanadium	15.5	mg/kg	0.76	1	05/11/10 16:38	05/13/10 14:55	7440-62-2	
Zinc	50.0	mg/kg	0.76	1	05/11/10 16:38	05/13/10 14:55	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.10	1	05/12/10 11:39	05/13/10 11:22	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	83-32-9	
Acenaphthylene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	208-96-8	
Anthracene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	120-12-7	
Azobenzene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	103-33-3	
Benzo(a)anthracene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	56-55-3	
Benzo(a)pyrene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	207-08-9	
Benzoic acid	ND	ug/kg	893	1	05/11/10 16:25	05/12/10 18:04	65-85-0	
Benzyl alcohol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	101-55-3	
Butylbenzylphthalate	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	85-68-7	
Carbazole	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	59-50-7	
4-Chloroaniline	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-6R Lab ID: 3027393011 Collected: 05/10/10 14:35 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	108-60-1	
2-Chloronaphthalene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	91-58-7	
2-Chlorophenol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	7005-72-3	
Chrysene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	105-46-7	
Dibenzofuran	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	105-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	120-83-2	
Diethylphthalate	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	105-67-9	
Dimethylphthalate	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	131-11-3	
Di-n-butylphthalate	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	893	1	05/11/10 16:25	05/12/10 18:04	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	893	1	05/11/10 16:25	05/12/10 18:04	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	606-20-2	
Di-n-octylphthalate	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	117-81-7	
Fluoranthene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	206-44-0	
Fluorene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	87-68-3	
Hexachlorobenzene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	77-47-4	
Hexachloroethane	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	193-39-5	
Isophorone	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	78-59-1	
1-Methylnaphthalene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	90-12-0	
2-Methylnaphthalene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	714	1	05/11/10 16:25	05/12/10 18:04		
Naphthalene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	91-20-3	
2-Nitroaniline	ND	ug/kg	893	1	05/11/10 16:25	05/12/10 18:04	88-74-4	
3-Nitroaniline	ND	ug/kg	893	1	05/11/10 16:25	05/12/10 18:04	99-09-2	
4-Nitroaniline	ND	ug/kg	893	1	05/11/10 16:25	05/12/10 18:04	100-01-6	
Nitrobenzene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	98-95-3	
2-Nitrophenol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	88-75-5	
4-Nitrophenol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No.: 3027393

Sample: [REDACTED] 2H/4H-6R Lab ID: 3027393011 Collected: 05/10/10 14:35 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	86-30-6	
Pentachlorophenol	ND	ug/kg	893	1	05/11/10 16:25	05/12/10 18:04	87-86-5	
Phenanthrene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	85-01-8	
Phenol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	108-95-2	
Pyrene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	893	1	05/11/10 16:25	05/12/10 18:04	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:04	88-06-2	
Nitrobenzene-d5 (S)	84 %		35-114	1	05/11/10 16:25	05/12/10 18:04	4165-60-0	
2-Fluorobiphenyl (S)	100 %		43-116	1	05/11/10 16:25	05/12/10 18:04	321-60-8	
Terphenyl-d14 (S)	111 %		33-141	1	05/11/10 16:25	05/12/10 18:04	1718-51-0	
Phenol-d6 (S)	83 %		10-110	1	05/11/10 16:25	05/12/10 18:04	13127-88-3	
2-Fluorophenol (S)	88 %		21-110	1	05/11/10 16:25	05/12/10 18:04	367-12-4	
2,4,6-Tribromophenol (S)	104 %		10-123	1	05/11/10 16:25	05/12/10 18:04	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	47.2	ug/kg	8.6	1		05/12/10 22:13	67-64-1	
Benzene	ND	ug/kg	4.3	1		05/12/10 22:13	71-43-2	
Bromochloromethane	ND	ug/kg	4.3	1		05/12/10 22:13	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1		05/12/10 22:13	75-27-4	
Bromoform	ND	ug/kg	4.3	1		05/12/10 22:13	75-25-2	
Bromomethane	ND	ug/kg	4.3	1		05/12/10 22:13	74-83-9	
TOTAL BTEX	ND	ug/kg	25.8	1		05/12/10 22:13		
2-Butanone (MEK)	ND	ug/kg	8.6	1		05/12/10 22:13	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1		05/12/10 22:13	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1		05/12/10 22:13	135-98-8	
Carbon disulfide	ND	ug/kg	4.3	1		05/12/10 22:13	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	1		05/12/10 22:13	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1		05/12/10 22:13	108-90-7	
Chloroethane	ND	ug/kg	4.3	1		05/12/10 22:13	75-00-3	
Chloroform	ND	ug/kg	4.3	1		05/12/10 22:13	67-66-3	
Chloromethane	ND	ug/kg	4.3	1		05/12/10 22:13	74-87-3	
Dibromochloromethane	ND	ug/kg	4.3	1		05/12/10 22:13	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		05/12/10 22:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		05/12/10 22:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		05/12/10 22:13	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.3	1		05/12/10 22:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		05/12/10 22:13	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	8.6	1		05/12/10 22:13	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.3	1		05/12/10 22:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		05/12/10 22:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		05/12/10 22:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		05/12/10 22:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		05/12/10 22:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		05/12/10 22:13	10061-02-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No.: 3027393

Sample: [REDACTED] 2H/4H-6R Lab ID: 3027393011 Collected: 05/10/10 14:35 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.3	1		05/12/10 22:13	100-41-4	
2-Hexanone	ND	ug/kg	8.6	1		05/12/10 22:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		05/12/10 22:13	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1		05/12/10 22:13	99-87-6	
Methylene Chloride	ND	ug/kg	4.3	1		05/12/10 22:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.6	1		05/12/10 22:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		05/12/10 22:13	1634-04-4	
Naphthalene	ND	ug/kg	4.3	1		05/12/10 22:13	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1		05/12/10 22:13	103-65-1	
Styrene	ND	ug/kg	4.3	1		05/12/10 22:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		05/12/10 22:13	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1		05/12/10 22:13	127-18-4	
Toluene	ND	ug/kg	4.3	1		05/12/10 22:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		05/12/10 22:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		05/12/10 22:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		05/12/10 22:13	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		05/12/10 22:13	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		05/12/10 22:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		05/12/10 22:13	108-67-8	
Vinyl chloride	ND	ug/kg	4.3	1		05/12/10 22:13	75-01-4	
Xylene (Total)	ND	ug/kg	12.9	1		05/12/10 22:13	1330-20-7	
m&p-Xylene	ND	ug/kg	8.6	1		05/12/10 22:13	179601-23-1	
o-Xylene	ND	ug/kg	4.3	1		05/12/10 22:13	95-47-6	
Toluene-d8 (S)	90	%	70-130	1		05/12/10 22:13	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130	1		05/12/10 22:13	460-00-4	
1,2-Dichloroethane-d4 (S)	135	%	70-130	1		05/12/10 22:13	17060-07-0	S0
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	8.7	%	0.10	1		05/12/10 15:00		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	6.1	mg/kg	5.4	1		05/12/10 15:26	7664-41-7	

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### ANALYTICAL RESULTS

Project. [REDACTED]  
Pace Project No.: 3027393

<b>Sample:</b> <span style="background-color: black; color: black;">[REDACTED]</span> 2H/4H-6R ASTM		<b>Lab ID:</b> 3027393012	Collected: 05/10/10 14:35		Received: 05/11/10 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND mg/L		0.10	1		05/13/10 14:08		2c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND mg/L		3.0	1		05/12/10 20:42	16887-00-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No : 3027393

Sample: XXXXXXXXXX 2H/4H-7R Lab ID: 3027393013 Collected: 05/10/10 14:55 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	9900	mg/kg	8.2	1	05/11/10 16:38	05/13/10 14:58	7429-90-5	
Antimony	ND	mg/kg	0.41	1	05/11/10 16:38	05/13/10 14:58	7440-36-0	
Arsenic	19.2	mg/kg	0.41	1	05/11/10 16:38	05/13/10 14:58	7440-38-2	
Barium	148	mg/kg	1.6	1	05/11/10 16:38	05/13/10 14:58	7440-39-3	
Beryllium	0.63	mg/kg	0.16	1	05/11/10 16:38	05/13/10 14:58	7440-41-7	
Boron	6.2	mg/kg	4.1	1	05/11/10 16:38	05/13/10 14:58	7440-42-8	
Cadmium	ND	mg/kg	0.16	1	05/11/10 16:38	05/13/10 14:58	7440-43-9	
Calcium	1410	mg/kg	164	1	05/11/10 16:38	05/13/10 14:58	7440-70-2	
Chromium	13.0	mg/kg	0.41	1	05/11/10 16:38	05/13/10 14:58	7440-47-3	
Cobalt	26.8	mg/kg	0.82	1	05/11/10 16:38	05/13/10 14:58	7440-48-4	
Copper	8.7	mg/kg	0.82	1	05/11/10 16:38	05/13/10 14:58	7440-50-8	
Iron	24100	mg/kg	8.2	1	05/11/10 16:38	05/13/10 14:58	7439-89-6	
Lead	6.4	mg/kg	0.41	1	05/11/10 16:38	05/13/10 14:58	7439-92-1	
Magnesium	3940	mg/kg	41.1	1	05/11/10 16:38	05/13/10 14:58	7439-95-4	
Manganese	352	mg/kg	0.82	1	05/11/10 16:38	05/13/10 14:58	7439-96-5	
Molybdenum	ND	mg/kg	1.6	1	05/11/10 16:38	05/13/10 14:58	7439-98-7	
Nickel	24.8	mg/kg	1.6	1	05/11/10 16:38	05/13/10 14:58	7440-02-0	
Potassium	1290	mg/kg	41.1	1	05/11/10 16:38	05/13/10 14:58	7440-09-7	
Selenium	ND	mg/kg	0.41	1	05/11/10 16:38	05/13/10 14:58	7782-49-2	
Silver	0.28	mg/kg	0.16	1	05/11/10 16:38	05/13/10 14:58	7440-22-4	
Sodium	ND	mg/kg	411	1	05/11/10 16:38	05/13/10 14:58	7440-23-5	
Thallium	ND	mg/kg	1.6	1	05/11/10 16:38	05/13/10 14:58	7440-28-0	
Vanadium	11.4	mg/kg	0.82	1	05/11/10 16:38	05/13/10 14:58	7440-62-2	
Zinc	50.2	mg/kg	0.82	1	05/11/10 16:38	05/13/10 14:58	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.10	1	05/12/10 11:39	05/13/10 11:27	7439-97-6	
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### 8270 MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	83-32-9	
Acenaphthylene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	208-96-8	
Anthracene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	120-12-7	
Azobenzene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	103-33-3	
Benzo(a)anthracene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	56-55-3	
Benzo(a)pyrene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	207-08-9	
Benzoic acid	ND	ug/kg	894	1	05/11/10 16:25	05/12/10 18:27	65-85-0	
Benzyl alcohol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	85-68-7	
Carbazole	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	59-50-7	
4-Chloroaniline	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-7R Lab ID: 3027393013 Collected: 05/10/10 14:55 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	108-60-1	
2-Chloronaphthalene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	91-58-7	
2-Chlorophenol	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	7005-72-3	
Chrysene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	53-70-3	
Dibenzofuran	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	91-94-1	
2,4-Dichlorophenol	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	120-83-2	
Diethylphthalate	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	84-66-2	
2,4-Dimethylphenol	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	105-67-9	
Dimethylphthalate	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	131-11-3	
Di-n-butylphthalate	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		894	1	05/11/10 16:25	05/12/10 18:27	534-52-1	
2,4-Dinitrophenol	ND ug/kg		894	1	05/11/10 16:25	05/12/10 18:27	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	606-20-2	
Di-n-octylphthalate	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	117-81-7	
Fluoranthene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	206-44-0	
Fluorene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	87-68-3	
Hexachlorobenzene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	77-47-4	
Hexachloroethane	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	193-39-5	
Isophorone	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	78-59-1	
1-Methylnaphthalene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	90-12-0	
2-Methylnaphthalene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		715	1	05/11/10 16:25	05/12/10 18:27		
Naphthalene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	91-20-3	
2-Nitroaniline	ND ug/kg		894	1	05/11/10 16:25	05/12/10 18:27	88-74-4	
3-Nitroaniline	ND ug/kg		894	1	05/11/10 16:25	05/12/10 18:27	99-09-2	
4-Nitroaniline	ND ug/kg		894	1	05/11/10 16:25	05/12/10 18:27	100-01-6	
Nitrobenzene	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	98-95-3	
2-Nitrophenol	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	88-75-5	
4-Nitrophenol	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		357	1	05/11/10 16:25	05/12/10 18:27	621-64-7	

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## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No: 3027393

Sample: [REDACTED] 2H/4H-7R Lab ID: 3027393013 Collected: 05/10/10 14:55 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	86-30-6	
Pentachlorophenol	ND	ug/kg	894	1	05/11/10 16:25	05/12/10 18:27	87-86-5	
Phenanthrene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	85-01-8	
Phenol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	108-95-2	
Pyrene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	894	1	05/11/10 16:25	05/12/10 18:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	357	1	05/11/10 16:25	05/12/10 18:27	88-06-2	
Nitrobenzene-d5 (S)	62 %		35-114	1	05/11/10 16:25	05/12/10 18:27	4165-60-0	
2-Fluorobiphenyl (S)	82 %		43-116	1	05/11/10 16:25	05/12/10 18:27	321-60-8	
Terphenyl-d14 (S)	102 %		33-141	1	05/11/10 16:25	05/12/10 18:27	1718-51-0	
Phenol-d6 (S)	63 %		10-110	1	05/11/10 16:25	05/12/10 18:27	13127-88-3	
2-Fluorophenol (S)	60 %		21-110	1	05/11/10 16:25	05/12/10 18:27	367-12-4	
2,4,6-Tribromophenol (S)	87 %		10-123	1	05/11/10 16:25	05/12/10 18:27	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	20.5	ug/kg	8.5	1		05/12/10 22:37	67-64-1	
Benzene	ND	ug/kg	4.2	1		05/12/10 22:37	71-43-2	
Bromochloromethane	ND	ug/kg	4.2	1		05/12/10 22:37	74-97-5	
Bromodichloromethane	ND	ug/kg	4.2	1		05/12/10 22:37	75-27-4	
Bromoform	ND	ug/kg	4.2	1		05/12/10 22:37	75-25-2	
Bromomethane	ND	ug/kg	4.2	1		05/12/10 22:37	74-83-9	
TOTAL BTEX	ND	ug/kg	25.5	1		05/12/10 22:37		
2-Butanone (MEK)	ND	ug/kg	8.5	1		05/12/10 22:37	78-93-3	
n-Butylbenzene	ND	ug/kg	4.2	1		05/12/10 22:37	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.2	1		05/12/10 22:37	135-98-8	
Carbon disulfide	ND	ug/kg	4.2	1		05/12/10 22:37	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.2	1		05/12/10 22:37	56-23-5	
Chlorobenzene	ND	ug/kg	4.2	1		05/12/10 22:37	108-90-7	
Chloroethane	ND	ug/kg	4.2	1		05/12/10 22:37	75-00-3	
Chloroform	ND	ug/kg	4.2	1		05/12/10 22:37	67-66-3	
Chloromethane	ND	ug/kg	4.2	1		05/12/10 22:37	74-87-3	
Dibromochloromethane	ND	ug/kg	4.2	1		05/12/10 22:37	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.2	1		05/12/10 22:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.2	1		05/12/10 22:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.2	1		05/12/10 22:37	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.2	1		05/12/10 22:37	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.2	1		05/12/10 22:37	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	8.5	1		05/12/10 22:37	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.2	1		05/12/10 22:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.2	1		05/12/10 22:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.2	1		05/12/10 22:37	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.2	1		05/12/10 22:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.2	1		05/12/10 22:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.2	1		05/12/10 22:37	10061-02-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-7R Lab ID: 3027393013 Collected: 05/10/10 14:55 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.2	1		05/12/10 22:37	100-41-4	
2-Hexanone	ND	ug/kg	8.5	1		05/12/10 22:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.2	1		05/12/10 22:37	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.2	1		05/12/10 22:37	99-87-6	
Methylene Chloride	ND	ug/kg	4.2	1		05/12/10 22:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.5	1		05/12/10 22:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.2	1		05/12/10 22:37	1634-04-4	
Naphthalene	ND	ug/kg	4.2	1		05/12/10 22:37	91-20-3	
n-Propylbenzene	ND	ug/kg	4.2	1		05/12/10 22:37	103-65-1	
Styrene	ND	ug/kg	4.2	1		05/12/10 22:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.2	1		05/12/10 22:37	79-34-5	
Tetrachloroethene	ND	ug/kg	4.2	1		05/12/10 22:37	127-18-4	
Toluene	ND	ug/kg	4.2	1		05/12/10 22:37	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.2	1		05/12/10 22:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.2	1		05/12/10 22:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.2	1		05/12/10 22:37	79-00-5	
Trichloroethene	ND	ug/kg	4.2	1		05/12/10 22:37	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.2	1		05/12/10 22:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.2	1		05/12/10 22:37	108-67-8	
Vinyl chloride	ND	ug/kg	4.2	1		05/12/10 22:37	75-01-4	
Xylene (Total)	ND	ug/kg	12.7	1		05/12/10 22:37	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	1		05/12/10 22:37	179601-23-1	
o-Xylene	ND	ug/kg	4.2	1		05/12/10 22:37	95-47-6	
Toluene-d8 (S)	89	%	70-130	1		05/12/10 22:37	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130	1		05/12/10 22:37	460-00-4	
1,2-Dichloroethane-d4 (S)	128	%	70-130	1		05/12/10 22:37	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	7.8	%	0.10	1		05/12/10 15:02		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	ND	mg/kg	5.0	1		05/12/10 15:27	7664-41-7	

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## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No.: 3027393

<b>Sample:</b> <span style="background-color: black; color: black;">[REDACTED]</span> 2H/4H-7R ASTM		<b>Lab ID:</b> 3027393014	Collected: 05/10/10 14:55	Received: 05/11/10 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/13/10 14:08		2c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND	mg/L	3.0	1		05/12/10 20:43	16887-00-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-8R Lab ID: 3027393015 Collected: 05/10/10 15:30 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	11200	mg/kg	6.2	1	05/11/10 16:38	05/13/10 15:01	7429-90-5	
Antimony	0.42	mg/kg	0.31	1	05/11/10 16:38	05/13/10 15:01	7440-36-0	
Arsenic	3.7	mg/kg	0.31	1	05/11/10 16:38	05/13/10 15:01	7440-38-2	
Barium	167	mg/kg	1.2	1	05/11/10 16:38	05/13/10 15:01	7440-39-3	
Beryllium	0.75	mg/kg	0.12	1	05/11/10 16:38	05/13/10 15:01	7440-41-7	
Boron	6.8	mg/kg	3.1	1	05/11/10 16:38	05/13/10 15:01	7440-42-8	
Cadmium	ND	mg/kg	0.12	1	05/11/10 16:38	05/13/10 15:01	7440-43-9	
Calcium	2070	mg/kg	124	1	05/11/10 16:38	05/13/10 15:01	7440-70-2	
Chromium	15.7	mg/kg	0.31	1	05/11/10 16:38	05/13/10 15:01	7440-47-3	
Cobalt	10.8	mg/kg	0.62	1	05/11/10 16:38	05/13/10 15:01	7440-48-4	
Copper	6.5	mg/kg	0.62	1	05/11/10 16:38	05/13/10 15:01	7440-50-8	
Iron	28400	mg/kg	6.2	1	05/11/10 16:38	05/13/10 15:01	7439-89-6	
Lead	1.7	mg/kg	0.31	1	05/11/10 16:38	05/13/10 15:01	7439-92-1	
Magnesium	4640	mg/kg	30.9	1	05/11/10 16:38	05/13/10 15:01	7439-95-4	
Manganese	618	mg/kg	0.62	1	05/11/10 16:38	05/13/10 15:01	7439-96-5	
Molybdenum	ND	mg/kg	1.2	1	05/11/10 16:38	05/13/10 15:01	7439-98-7	
Nickel	25.5	mg/kg	1.2	1	05/11/10 16:38	05/13/10 15:01	7440-02-0	
Potassium	1400	mg/kg	30.9	1	05/11/10 16:38	05/13/10 15:01	7440-09-7	
Selenium	ND	mg/kg	0.31	1	05/11/10 16:38	05/13/10 15:01	7782-49-2	
Silver	0.32	mg/kg	0.12	1	05/11/10 16:38	05/13/10 15:01	7440-22-4	
Sodium	ND	mg/kg	309	1	05/11/10 16:38	05/13/10 15:01	7440-23-5	
Thallium	ND	mg/kg	1.2	1	05/11/10 16:38	05/13/10 15:01	7440-28-0	
Vanadium	13.2	mg/kg	0.62	1	05/11/10 16:38	05/13/10 15:01	7440-62-2	
Zinc	53.6	mg/kg	0.62	1	05/11/10 16:38	05/13/10 15:01	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.10	1	05/12/10 11:39	05/13/10 11:29	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	83-32-9	
Acenaphthylene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	208-96-8	
Anthracene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	120-12-7	
Azobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	103-33-3	
Benzo(a)anthracene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	207-08-9	
Benzoic acid	ND	ug/kg	852	1	05/11/10 16:25	05/12/10 18:50	65-85-0	
Benzyl alcohol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	101-55-3	
Butylbenzylphthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	85-68-7	
Carbazole	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	59-50-7	
4-Chloroaniline	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No : 3027393

Sample: XXXXXXXXXX 2H/4H-8R Lab ID: 3027393015 Collected: 05/10/10 15:30 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	108-60-1	
2-Chloronaphthalene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	91-58-7	
2-Chlorophenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	7005-72-3	
Chrysene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	106-46-7	
Dibenzofuran	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	120-83-2	
Diethylphthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	105-67-9	
Dimethylphthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	131-11-3	
Di-n-butylphthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	852	1	05/11/10 16:25	05/12/10 18:50	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	852	1	05/11/10 16:25	05/12/10 18:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	606-20-2	
Di-n-octylphthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	117-81-7	
Fluoranthene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	206-44-0	
Fluorene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	87-68-3	
Hexachlorobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	77-47-4	
Hexachloroethane	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	193-39-5	
Isophorone	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	78-59-1	
1-Methylnaphthalene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	90-12-0	
2-Methylnaphthalene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	682	1	05/11/10 16:25	05/12/10 18:50		
Naphthalene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	91-20-3	
2-Nitroaniline	ND	ug/kg	852	1	05/11/10 16:25	05/12/10 18:50	88-74-4	
3-Nitroaniline	ND	ug/kg	852	1	05/11/10 16:25	05/12/10 18:50	99-09-2	
4-Nitroaniline	ND	ug/kg	852	1	05/11/10 16:25	05/12/10 18:50	100-01-6	
Nitrobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	98-95-3	
2-Nitrophenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	88-75-5	
4-Nitrophenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-8R Lab ID: 3027393015 Collected: 05/10/10 15:30 Received 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
			Analytical Method: EPA 8270 Preparation Method: EPA 3546					
N-Nitrosodiphenylamine	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	86-30-6	
Pentachlorophenol	ND	ug/kg	852	1	05/11/10 16:25	05/12/10 18:50	87-86-5	
Phenanthrene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	85-01-8	
Phenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	108-95-2	
Pyrene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	852	1	05/11/10 16:25	05/12/10 18:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	341	1	05/11/10 16:25	05/12/10 18:50	88-06-2	
Nitrobenzene-d5 (S)	60	%	35-114	1	05/11/10 16:25	05/12/10 18:50	4165-60-0	
2-Fluorobiphenyl (S)	80	%	43-116	1	05/11/10 16:25	05/12/10 18:50	321-60-8	
Terphenyl-d14 (S)	107	%	33-141	1	05/11/10 16:25	05/12/10 18:50	1718-51-0	
Phenol-d6 (S)	61	%	10-110	1	05/11/10 16:25	05/12/10 18:50	13127-88-3	
2-Fluorophenol (S)	59	%	21-110	1	05/11/10 16:25	05/12/10 18:50	367-12-4	
2,4,6-Tribromophenol (S)	91	%	10-123	1	05/11/10 16:25	05/12/10 18:50	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	27.6	ug/kg	9.6	1		05/12/10 23:01	67-64-1	
Benzene	ND	ug/kg	4.8	1		05/12/10 23:01	71-43-2	
Bromochloromethane	ND	ug/kg	4.8	1		05/12/10 23:01	74-97-5	
Bromodichloromethane	ND	ug/kg	4.8	1		05/12/10 23:01	75-27-4	
Bromoform	ND	ug/kg	4.8	1		05/12/10 23:01	75-25-2	
Bromomethane	ND	ug/kg	4.8	1		05/12/10 23:01	74-83-9	
TOTAL BTEX	ND	ug/kg	28.7	1		05/12/10 23:01		
2-Butanone (MEK)	ND	ug/kg	9.6	1		05/12/10 23:01	78-93-3	
n-Butylbenzene	ND	ug/kg	4.8	1		05/12/10 23:01	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.8	1		05/12/10 23:01	135-98-8	
Carbon disulfide	ND	ug/kg	4.8	1		05/12/10 23:01	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.8	1		05/12/10 23:01	56-23-5	
Chlorobenzene	ND	ug/kg	4.8	1		05/12/10 23:01	108-90-7	
Chloroethane	ND	ug/kg	4.8	1		05/12/10 23:01	75-00-3	
Chloroform	ND	ug/kg	4.8	1		05/12/10 23:01	67-66-3	
Chloromethane	ND	ug/kg	4.8	1		05/12/10 23:01	74-87-3	
Dibromochloromethane	ND	ug/kg	4.8	1		05/12/10 23:01	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.8	1		05/12/10 23:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.8	1		05/12/10 23:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.8	1		05/12/10 23:01	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.8	1		05/12/10 23:01	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.8	1		05/12/10 23:01	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	9.6	1		05/12/10 23:01	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.8	1		05/12/10 23:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.8	1		05/12/10 23:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.8	1		05/12/10 23:01	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.8	1		05/12/10 23:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.8	1		05/12/10 23:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.8	1		05/12/10 23:01	10061-02-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-8R Lab ID: 3027393015 Collected: 05/10/10 15 30 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.8	1		05/12/10 23:01	100-41-4	
2-Hexanone	ND	ug/kg	9.6	1		05/12/10 23:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.8	1		05/12/10 23:01	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.8	1		05/12/10 23:01	99-87-6	
Methylene Chloride	ND	ug/kg	4.8	1		05/12/10 23:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.6	1		05/12/10 23:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.8	1		05/12/10 23:01	1634-04-4	
Naphthalene	ND	ug/kg	4.8	1		05/12/10 23:01	91-20-3	
n-Propylbenzene	ND	ug/kg	4.8	1		05/12/10 23:01	103-65-1	
Styrene	ND	ug/kg	4.8	1		05/12/10 23:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.8	1		05/12/10 23:01	79-34-5	
Tetrachloroethene	ND	ug/kg	4.8	1		05/12/10 23:01	127-18-4	
Toluene	ND	ug/kg	4.8	1		05/12/10 23:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.8	1		05/12/10 23:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.8	1		05/12/10 23:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.8	1		05/12/10 23:01	79-00-5	
Trichloroethene	ND	ug/kg	4.8	1		05/12/10 23:01	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.8	1		05/12/10 23:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.8	1		05/12/10 23:01	108-67-8	
Vinyl chloride	ND	ug/kg	4.8	1		05/12/10 23:01	75-01-4	
Xylene (Total)	ND	ug/kg	14.3	1		05/12/10 23:01	1330-20-7	
m&p-Xylene	ND	ug/kg	9.6	1		05/12/10 23:01	179601-23-1	
o-Xylene	ND	ug/kg	4.8	1		05/12/10 23:01	95-47-6	
Toluene-d8 (S)	88	%	70-130	1		05/12/10 23:01	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130	1		05/12/10 23:01	460-00-4	
1,2-Dichloroethane-d4 (S)	135	%	70-130	1		05/12/10 23:01	17060-07-0	S0
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	3.8	%	0.10	1		05/12/10 15:02		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	ND	mg/kg	5.1	1		05/12/10 15:27	7664-41-7	

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### ANALYTICAL RESULTS

Project. [REDACTED]  
Pace Project No.: 3027393

Sample: <span style="background-color: black; color: black;">[REDACTED]</span> 2H/4H-8R ASTM		Lab ID: 3027393016	Collected: 05/10/10 15:30	Received: 05/11/10 10 00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND mg/L		0.10	1		05/13/10 14 08		2c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND mg/L		3.0	1		05/12/10 20:44	16887-00-6	

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## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No.: 3027393

Sample: [REDACTED] 2H/4H-9R Lab ID: 3027393017 Collected: 05/10/10 15 55 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	12100	mg/kg	10.1	1	05/11/10 16:38	05/13/10 15:04	7429-90-5	
Antimony	ND	mg/kg	0.51	1	05/11/10 16:38	05/13/10 15:04	7440-36-0	
Arsenic	1.5	mg/kg	0.51	1	05/11/10 16:38	05/13/10 15:04	7440-38-2	
Barium	81.1	mg/kg	2.0	1	05/11/10 16:38	05/13/10 15:04	7440-39-3	
Beryllium	0.80	mg/kg	0.20	1	05/11/10 16:38	05/13/10 15:04	7440-41-7	
Boron	9.1	mg/kg	5.1	1	05/11/10 16:38	05/13/10 15:04	7440-42-8	
Cadmium	ND	mg/kg	0.20	1	05/11/10 16:38	05/13/10 15:04	7440-43-9	
Calcium	1650	mg/kg	202	1	05/11/10 16:38	05/13/10 15:04	7440-70-2	
Chromium	18.2	mg/kg	0.51	1	05/11/10 16:38	05/13/10 15:04	7440-47-3	
Cobalt	11.3	mg/kg	1.0	1	05/11/10 16:38	05/13/10 15:04	7440-48-4	
Copper	3.3	mg/kg	1.0	1	05/11/10 16:38	05/13/10 15:04	7440-50-8	
Iron	34700	mg/kg	10.1	1	05/11/10 16:38	05/13/10 15:04	7439-89-6	
Lead	1.6	mg/kg	0.51	1	05/11/10 16:38	05/13/10 15:04	7439-92-1	
Magnesium	5050	mg/kg	50.6	1	05/11/10 16:38	05/13/10 15:04	7439-95-4	
Manganese	319	mg/kg	1.0	1	05/11/10 16:38	05/13/10 15:04	7439-96-5	
Molybdenum	ND	mg/kg	2.0	1	05/11/10 16:38	05/13/10 15:04	7439-98-7	
Nickel	28.1	mg/kg	2.0	1	05/11/10 16:38	05/13/10 15:04	7440-02-0	
Potassium	1600	mg/kg	50.6	1	05/11/10 16:38	05/13/10 15:04	7440-09-7	
Selenium	ND	mg/kg	0.51	1	05/11/10 16:38	05/13/10 15:04	7782-49-2	
Silver	0.29	mg/kg	0.20	1	05/11/10 16:38	05/13/10 15:04	7440-22-4	
Sodium	ND	mg/kg	506	1	05/11/10 16:38	05/13/10 15:04	7440-23-5	
Thallium	ND	mg/kg	2.0	1	05/11/10 16:38	05/13/10 15:04	7440-28-0	
Vanadium	15.8	mg/kg	1.0	1	05/11/10 16:38	05/13/10 15:04	7440-62-2	
Zinc	55.0	mg/kg	1.0	1	05/11/10 16:38	05/13/10 15:04	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.11	1	05/12/10 11:39	05/13/10 11:30	7439-97-6	
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### 8270 MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	83-32-9	
Acenaphthylene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	208-96-8	
Anthracene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	120-12-7	
Azobenzene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	103-33-3	
Benzo(a)anthracene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	56-55-3	
Benzo(a)pyrene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	207-08-9	
Benzoic acid	ND	ug/kg	889	1	05/11/10 16:25	05/12/10 19:12	65-85-0	
Benzyl alcohol	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	101-55-3	
Butylbenzylphthalate	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	85-68-7	
Carbazole	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	59-50-7	
4-Chloroaniline	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	106-47-8	

Date: 05/14/2010 03:55 PM

## REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-9R Lab ID: 3027393017 Collected: 05/10/10 15:55 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
<b>MICROWAVE</b>								
bis(2-Chloroethoxy)methane	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	111-91-1	
bis(2-Chloroethyl) ether	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	108-60-1	
2-Chloronaphthalene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	91-58-7	
2-Chlorophenol	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	95-57-8	
4-Chlorophenylphenyl ether	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	7005-72-3	
Chrysene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	53-70-3	
Dibenzofuran	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	132-64-9	
1,2-Dichlorobenzene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	106-46-7	
3,3'-Dichlorobenzidine	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	91-94-1	
2,4-Dichlorophenol	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	120-83-2	
Diethylphthalate	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	84-66-2	
2,4-Dimethylphenol	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	105-67-9	
Dimethylphthalate	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	131-11-3	
Di-n-butylphthalate	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/kg		889	1	05/11/10 16:25	05/12/10 19:12	534-52-1	
2,4-Dinitrophenol	ND ug/kg		889	1	05/11/10 16:25	05/12/10 19:12	51-28-5	
2,4-Dinitrotoluene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	121-14-2	
2,6-Dinitrotoluene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	606-20-2	
Di-n-octylphthalate	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	117-81-7	
Fluoranthene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	206-44-0	
Fluorene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	86-73-7	
Hexachloro-1,3-butadiene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	87-68-3	
Hexachlorobenzene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	118-74-1	
Hexachlorocyclopentadiene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	77-47-4	
Hexachloroethane	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	193-39-5	
Isophorone	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	78-59-1	
1-Methylnaphthalene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	90-12-0	
2-Methylnaphthalene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/kg		711	1	05/11/10 16:25	05/12/10 19:12		
Naphthalene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	91-20-3	
2-Nitroaniline	ND ug/kg		889	1	05/11/10 16:25	05/12/10 19:12	88-74-4	
3-Nitroaniline	ND ug/kg		889	1	05/11/10 16:25	05/12/10 19:12	99-09-2	
4-Nitroaniline	ND ug/kg		889	1	05/11/10 16:25	05/12/10 19:12	100-01-6	
Nitrobenzene	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	98-95-3	
2-Nitrophenol	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	88-75-5	
4-Nitrophenol	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	100-02-7	
N-Nitrosodimethylamine	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/kg		355	1	05/11/10 16:25	05/12/10 19:12	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-9R Lab ID: 3027393017 Collected: 05/10/10 15:55 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	86-30-6	
Pentachlorophenol	ND	ug/kg	889	1	05/11/10 16:25	05/12/10 19:12	87-86-5	
Phenanthrene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	85-01-8	
Phenol	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	108-95-2	
Pyrene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	889	1	05/11/10 16:25	05/12/10 19:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	355	1	05/11/10 16:25	05/12/10 19:12	88-06-2	
Nitrobenzene-d5 (S)	56 %		35-114	1	05/11/10 16:25	05/12/10 19:12	4165-60-0	
2-Fluorobiphenyl (S)	78 %		43-116	1	05/11/10 16:25	05/12/10 19:12	321-60-8	
Terphenyl-d14 (S)	97 %		33-141	1	05/11/10 16:25	05/12/10 19:12	1718-51-0	
Phenol-d6 (S)	61 %		10-110	1	05/11/10 16:25	05/12/10 19:12	13127-88-3	
2-Fluorophenol (S)	59 %		21-110	1	05/11/10 16:25	05/12/10 19:12	367-12-4	
2,4,6-Tribromophenol (S)	82 %		10-123	1	05/11/10 16:25	05/12/10 19:12	118-79-6	

### 8260 MSV 5030 Low Level Analytical Method: EPA 8260

Acetone	25.7	ug/kg	7.7	1		05/12/10 23:25	67-64-1	
Benzene	ND	ug/kg	3.8	1		05/12/10 23:25	71-43-2	
Bromochloromethane	ND	ug/kg	3.8	1		05/12/10 23:25	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1		05/12/10 23:25	75-27-4	
Bromoform	ND	ug/kg	3.8	1		05/12/10 23:25	75-25-2	
Bromomethane	ND	ug/kg	3.8	1		05/12/10 23:25	74-83-9	
TOTAL BTEX	ND	ug/kg	23.0	1		05/12/10 23:25		
2-Butanone (MEK)	ND	ug/kg	7.7	1		05/12/10 23:25	78-93-3	
n-Butylbenzene	ND	ug/kg	3.8	1		05/12/10 23:25	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1		05/12/10 23:25	135-98-8	
Carbon disulfide	ND	ug/kg	3.8	1		05/12/10 23:25	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.8	1		05/12/10 23:25	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1		05/12/10 23:25	108-90-7	
Chloroethane	ND	ug/kg	3.8	1		05/12/10 23:25	75-00-3	
Chloroform	ND	ug/kg	3.8	1		05/12/10 23:25	67-66-3	
Chloromethane	ND	ug/kg	3.8	1		05/12/10 23:25	74-87-3	
Dibromochloromethane	ND	ug/kg	3.8	1		05/12/10 23:25	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	3.8	1		05/12/10 23:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.8	1		05/12/10 23:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.8	1		05/12/10 23:25	106-46-7	
1,1-Dichloroethane	ND	ug/kg	3.8	1		05/12/10 23:25	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.8	1		05/12/10 23:25	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	7.7	1		05/12/10 23:25	540-59-0	
1,1-Dichloroethene	ND	ug/kg	3.8	1		05/12/10 23:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1		05/12/10 23:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1		05/12/10 23:25	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.8	1		05/12/10 23:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1		05/12/10 23:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1		05/12/10 23:25	10061-02-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-9R Lab ID: 3027393017 Collected: 05/10/10 15:55 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	3.8	1		05/12/10 23:25	100-41-4	
2-Hexanone	ND	ug/kg	7.7	1		05/12/10 23:25	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1		05/12/10 23:25	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.8	1		05/12/10 23:25	99-87-6	
Methylene Chloride	ND	ug/kg	3.8	1		05/12/10 23:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	7.7	1		05/12/10 23:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.8	1		05/12/10 23:25	1634-04-4	
Naphthalene	ND	ug/kg	3.8	1		05/12/10 23:25	91-20-3	
n-Propylbenzene	ND	ug/kg	3.8	1		05/12/10 23:25	103-65-1	
Styrene	ND	ug/kg	3.8	1		05/12/10 23:25	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1		05/12/10 23:25	79-34-5	
Tetrachloroethene	ND	ug/kg	3.8	1		05/12/10 23:25	127-18-4	
Toluene	ND	ug/kg	3.8	1		05/12/10 23:25	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1		05/12/10 23:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.8	1		05/12/10 23:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.8	1		05/12/10 23:25	79-00-5	
Trichloroethene	ND	ug/kg	3.8	1		05/12/10 23:25	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1		05/12/10 23:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1		05/12/10 23:25	108-67-8	
Vinyl chloride	ND	ug/kg	3.8	1		05/12/10 23:25	75-01-4	
Xylene (Total)	ND	ug/kg	11.5	1		05/12/10 23:25	1330-20-7	
m&p-Xylene	ND	ug/kg	7.7	1		05/12/10 23:25	179601-23-1	
o-Xylene	ND	ug/kg	3.8	1		05/12/10 23:25	95-47-6	
Toluene-d8 (S)	87	%	70-130	1		05/12/10 23:25	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130	1		05/12/10 23:25	460-00-4	
1,2-Dichloroethane-d4 (S)	141	%	70-130	1		05/12/10 23:25	17060-07-0	S0
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	8.5	%	0.10	1		05/12/10 15:03		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	ND	mg/kg	5.1	1		05/12/10 15:28	7664-41-7	

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### ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: <span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-9R ASTM		Lab ID: 3027393018		Collected: 05/10/10 15:55		Received: 05/11/10 10:00		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
5540C MBAS Surfactants		Analytical Method: SM 5540C							
Surfactants	ND	mg/L	0.10	1			05/13/10 14:08		2c
4500 Chloride		Analytical Method: SM 4500-Cl-E							
Chloride	ND	mg/L	3.0	1			05/12/10 20 45	16887-00-6	

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## ANALYTICAL RESULTS

Project [REDACTED]  
Pace Project No.: 3027393

Sample: [REDACTED] 2H/4H-10R Lab ID: 3027393019 Collected: 05/10/10 16:20 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	9030	mg/kg	5.7	1	05/11/10 16:38	05/13/10 15:21	7429-90-5	
Antimony	ND	mg/kg	0.29	1	05/11/10 16:38	05/13/10 15:21	7440-36-0	
Arsenic	5.1	mg/kg	0.29	1	05/11/10 16:38	05/13/10 15:21	7440-38-2	
Barium	3540	mg/kg	11.5	10	05/11/10 16:38	05/13/10 15:41	7440-39-3	
Beryllium	0.41	mg/kg	0.11	1	05/11/10 16:38	05/13/10 15:21	7440-41-7	
Boron	5.1	mg/kg	2.9	1	05/11/10 16:38	05/13/10 15:21	7440-42-8	
Cadmium	ND	mg/kg	0.11	1	05/11/10 16:38	05/13/10 15:21	7440-43-9	
Calcium	1500	mg/kg	115	1	05/11/10 16:38	05/13/10 15:21	7440-70-2	
Chromium	11.4	mg/kg	0.29	1	05/11/10 16:38	05/13/10 15:21	7440-47-3	
Cobalt	10.7	mg/kg	0.57	1	05/11/10 16:38	05/13/10 15:21	7440-48-4	
Copper	6.1	mg/kg	0.57	1	05/11/10 16:38	05/13/10 15:21	7440-50-8	
Iron	18100	mg/kg	5.7	1	05/11/10 16:38	05/13/10 15:21	7439-89-6	
Lead	9.8	mg/kg	0.29	1	05/11/10 16:38	05/13/10 15:21	7439-92-1	
Magnesium	3620	mg/kg	28.7	1	05/11/10 16:38	05/13/10 15:21	7439-95-4	
Manganese	190	mg/kg	0.57	1	05/11/10 16:38	05/13/10 15:21	7439-96-5	
Molybdenum	ND	mg/kg	1.1	1	05/11/10 16:38	05/13/10 15:21	7439-98-7	
Nickel	17.5	mg/kg	1.1	1	05/11/10 16:38	05/13/10 15:21	7440-02-0	
Potassium	1180	mg/kg	28.7	1	05/11/10 16:38	05/13/10 15:21	7440-09-7	
Selenium	ND	mg/kg	0.29	1	05/11/10 16:38	05/13/10 15:21	7782-49-2	
Silver	0.24	mg/kg	0.11	1	05/11/10 16:38	05/13/10 15:21	7440-22-4	
Sodium	ND	mg/kg	287	1	05/11/10 16:38	05/13/10 15:21	7440-23-5	
Thallium	ND	mg/kg	1.1	1	05/11/10 16:38	05/13/10 15:21	7440-28-0	
Vanadium	10.5	mg/kg	0.57	1	05/11/10 16:38	05/13/10 15:21	7440-62-2	
Zinc	48.3	mg/kg	0.57	1	05/11/10 16:38	05/13/10 15:21	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.10	1	05/12/10 11:39	05/13/10 11:32	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	83-32-9	
Acenaphthylene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	208-96-8	
Anthracene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	120-12-7	
Azobenzene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	103-33-3	
Benzo(a)anthracene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	56-55-3	
Benzo(a)pyrene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	207-08-9	
Benzoic acid	ND	ug/kg	916	1	05/11/10 16:25	05/12/10 19:36	65-85-0	
Benzyl alcohol	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	101-55-3	
Butylbenzylphthalate	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	85-68-7	
Carbazole	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	59-50-7	
4-Chloroaniline	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No : 3027393

Sample: XXXXXXXXXX 2H/4H-10R Lab ID: 3027393019 Collected: 05/10/10 16:20 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	108-60-1	
2-Chloronaphthalene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	91-58-7	
2-Chlorophenol	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	7005-72-3	
Chrysene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	53-70-3	
Dibenzofuran	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	120-83-2	
Diethylphthalate	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	105-67-9	
Dimethylphthalate	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	131-11-3	
Di-n-butylphthalate	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	916	1	05/11/10 16:25	05/12/10 19:36	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	916	1	05/11/10 16:25	05/12/10 19:36	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	606-20-2	
Di-n-octylphthalate	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	117-81-7	
Fluoranthene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	206-44-0	
Fluorene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	87-68-3	
Hexachlorobenzene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	77-47-4	
Hexachloroethane	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	193-39-5	
Isophorone	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	78-59-1	
1-Methylnaphthalene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	90-12-0	
2-Methylnaphthalene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	732	1	05/11/10 16:25	05/12/10 19:36		
Naphthalene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	91-20-3	
2-Nitroaniline	ND	ug/kg	916	1	05/11/10 16:25	05/12/10 19:36	88-74-4	
3-Nitroaniline	ND	ug/kg	916	1	05/11/10 16:25	05/12/10 19:36	99-09-2	
4-Nitroaniline	ND	ug/kg	916	1	05/11/10 16:25	05/12/10 19:36	100-01-6	
Nitrobenzene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	98-95-3	
2-Nitrophenol	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	88-75-5	
4-Nitrophenol	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	621-64-7	

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CABOT-EPA 006692

## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No.: 3027393

Sample: [REDACTED] 2H/4H-10R Lab ID: 3027393019 Collected: 05/10/10 16:20 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	86-30-6	
Pentachlorophenol	ND	ug/kg	916	1	05/11/10 16:25	05/12/10 19:36	87-86-5	
Phenanthrene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	85-01-8	
Phenol	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	108-95-2	
Pyrene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	916	1	05/11/10 16:25	05/12/10 19:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	366	1	05/11/10 16:25	05/12/10 19:36	88-06-2	
Nitrobenzene-d5 (S)	75 %		35-114	1	05/11/10 16:25	05/12/10 19:36	4165-60-0	
2-Fluorobiphenyl (S)	90 %		43-116	1	05/11/10 16:25	05/12/10 19:36	321-60-8	
Terphenyl-d14 (S)	100 %		33-141	1	05/11/10 16:25	05/12/10 19:36	1718-51-0	
Phenol-d6 (S)	77 %		10-110	1	05/11/10 16:25	05/12/10 19:36	13127-88-3	
2-Fluorophenol (S)	79 %		21-110	1	05/11/10 16:25	05/12/10 19:36	367-12-4	
2,4,6-Tribromophenol (S)	99 %		10-123	1	05/11/10 16:25	05/12/10 19:36	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	46.0	ug/kg	8.2	1		05/12/10 23:49	67-64-1	
Benzene	ND	ug/kg	4.1	1		05/12/10 23:49	71-43-2	
Bromochloromethane	ND	ug/kg	4.1	1		05/12/10 23:49	74-97-5	
Bromodichloromethane	ND	ug/kg	4.1	1		05/12/10 23:49	75-27-4	
Bromoform	ND	ug/kg	4.1	1		05/12/10 23:49	75-25-2	
Bromomethane	ND	ug/kg	4.1	1		05/12/10 23:49	74-83-9	
TOTAL BTEX	ND	ug/kg	24.7	1		05/12/10 23:49		
2-Butanone (MEK)	ND	ug/kg	8.2	1		05/12/10 23:49	78-93-3	
n-Butylbenzene	ND	ug/kg	4.1	1		05/12/10 23:49	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.1	1		05/12/10 23:49	135-98-8	
Carbon disulfide	ND	ug/kg	4.1	1		05/12/10 23:49	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.1	1		05/12/10 23:49	56-23-5	
Chlorobenzene	ND	ug/kg	4.1	1		05/12/10 23:49	108-90-7	
Chloroethane	ND	ug/kg	4.1	1		05/12/10 23:49	75-00-3	
Chloroform	ND	ug/kg	4.1	1		05/12/10 23:49	67-66-3	
Chloromethane	ND	ug/kg	4.1	1		05/12/10 23:49	74-87-3	
Dibromochloromethane	ND	ug/kg	4.1	1		05/12/10 23:49	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.1	1		05/12/10 23:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.1	1		05/12/10 23:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.1	1		05/12/10 23:49	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.1	1		05/12/10 23:49	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.1	1		05/12/10 23:49	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	8.2	1		05/12/10 23:49	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.1	1		05/12/10 23:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.1	1		05/12/10 23:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.1	1		05/12/10 23:49	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.1	1		05/12/10 23:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.1	1		05/12/10 23:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.1	1		05/12/10 23:49	10061-02-6	

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(724)850-6600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No: 3027393

Sample: XXXXXXXXXX 2H/4H-10R Lab ID: 3027393019 Collected: 05/10/10 16:20 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.1	1		05/12/10 23:49	100-41-4	
2-Hexanone	ND	ug/kg	8.2	1		05/12/10 23:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.1	1		05/12/10 23:49	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.1	1		05/12/10 23:49	99-87-6	
Methylene Chloride	ND	ug/kg	4.1	1		05/12/10 23:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.2	1		05/12/10 23:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.1	1		05/12/10 23:49	1634-04-4	
Naphthalene	ND	ug/kg	4.1	1		05/12/10 23:49	91-20-3	
n-Propylbenzene	ND	ug/kg	4.1	1		05/12/10 23:49	103-65-1	
Styrene	ND	ug/kg	4.1	1		05/12/10 23:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.1	1		05/12/10 23:49	79-34-5	
Tetrachloroethene	ND	ug/kg	4.1	1		05/12/10 23:49	127-18-4	
Toluene	ND	ug/kg	4.1	1		05/12/10 23:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.1	1		05/12/10 23:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.1	1		05/12/10 23:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.1	1		05/12/10 23:49	79-00-5	
Trichloroethene	ND	ug/kg	4.1	1		05/12/10 23:49	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.1	1		05/12/10 23:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.1	1		05/12/10 23:49	108-67-8	
Vinyl chloride	ND	ug/kg	4.1	1		05/12/10 23:49	75-01-4	
Xylene (Total)	ND	ug/kg	12.3	1		05/12/10 23:49	1330-20-7	
m&p-Xylene	ND	ug/kg	8.2	1		05/12/10 23:49	179601-23-1	
o-Xylene	ND	ug/kg	4.1	1		05/12/10 23:49	95-47-6	
Toluene-d8 (S)	87	%	70-130	1		05/12/10 23:49	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130	1		05/12/10 23:49	460-00-4	
1,2-Dichloroethane-d4 (S)	139	%	70-130	1		05/12/10 23:49	17060-07-0	S0
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	9.4	%	0.10	1		05/12/10 15:03		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350 1						
Nitrogen, Ammonia	25.8	mg/kg	5.0	1		05/12/10 15:29	7664-41-7	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No: 3027393

<b>Sample:</b> <span style="background-color: black; color: black;">[REDACTED]</span> 2H/4H-10R ASTM		<b>Lab ID:</b> 3027393020	Collected: 05/10/10 16:20		Received: 05/11/10 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND mg/L		0.10	1		05/13/10 14:08		2c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND mg/L		3.0	1		05/12/10 20:45	16887-00-6	

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## ANALYTICAL RESULTS

Project: [REDACTED]  
Pace Project No. 3027393

Sample: [REDACTED] 2H/4H-11R Lab ID: 3027393021 Collected: 05/10/10 16:45 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	12400	mg/kg	7.7	1	05/11/10 16:38	05/13/10 15:23	7429-90-5	
Antimony	0.40	mg/kg	0.38	1	05/11/10 16:38	05/13/10 15:23	7440-36-0	
Arsenic	11.6	mg/kg	0.38	1	05/11/10 16:38	05/13/10 15:23	7440-38-2	
Barium	1040	mg/kg	1.5	1	05/11/10 16:38	05/13/10 15:23	7440-39-3	
Beryllium	0.59	mg/kg	0.15	1	05/11/10 16:38	05/13/10 15:23	7440-41-7	
Boron	7.2	mg/kg	3.8	1	05/11/10 16:38	05/13/10 15:23	7440-42-8	
Cadmium	ND	mg/kg	0.15	1	05/11/10 16:38	05/13/10 15:23	7440-43-9	
Calcium	1200	mg/kg	153	1	05/11/10 16:38	05/13/10 15:23	7440-70-2	
Chromium	14.3	mg/kg	0.38	1	05/11/10 16:38	05/13/10 15:23	7440-47-3	
Cobalt	8.5	mg/kg	0.77	1	05/11/10 16:38	05/13/10 15:23	7440-48-4	
Copper	8.0	mg/kg	0.77	1	05/11/10 16:38	05/13/10 15:23	7440-50-8	
Iron	21000	mg/kg	7.7	1	05/11/10 16:38	05/13/10 15:23	7439-89-6	
Lead	7.5	mg/kg	0.38	1	05/11/10 16:38	05/13/10 15:23	7439-92-1	
Magnesium	4270	mg/kg	38.3	1	05/11/10 16:38	05/13/10 15:23	7439-95-4	
Manganese	180	mg/kg	0.77	1	05/11/10 16:38	05/13/10 15:23	7439-96-5	
Molybdenum	ND	mg/kg	1.5	1	05/11/10 16:38	05/13/10 15:23	7439-98-7	
Nickel	16.9	mg/kg	1.5	1	05/11/10 16:38	05/13/10 15:23	7440-02-0	
Potassium	2440	mg/kg	38.3	1	05/11/10 16:38	05/13/10 15:23	7440-09-7	
Selenium	ND	mg/kg	0.38	1	05/11/10 16:38	05/13/10 15:23	7782-49-2	
Silver	0.34	mg/kg	0.15	1	05/11/10 16:38	05/13/10 15:23	7440-22-4	
Sodium	ND	mg/kg	383	1	05/11/10 16:38	05/13/10 15:23	7440-23-5	
Thallium	ND	mg/kg	1.5	1	05/11/10 16:38	05/13/10 15:23	7440-28-0	
Vanadium	14.6	mg/kg	0.77	1	05/11/10 16:38	05/13/10 15:23	7440-62-2	
Zinc	50.7	mg/kg	0.77	1	05/11/10 16:38	05/13/10 15:23	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.11	1	05/12/10 11:39	05/13/10 11:34	7439-97-6	
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### 8270 MSSV FULL LIST MICROWAVE

Analytical Method: EPA 8270 Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	83-32-9	
Acenaphthylene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	208-96-8	
Anthracene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	120-12-7	
Azobenzene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	103-33-3	
Benzo(a)anthracene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	56-55-3	
Benzo(a)pyrene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	207-08-9	
Benzoic acid	ND	ug/kg	961	1	05/11/10 16:25	05/12/10 19:58	65-85-0	
Benzyl alcohol	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	101-55-3	
Butylbenzylphthalate	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	85-68-7	
Carbazole	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	59-50-7	
4-Chloroaniline	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	106-47-8	

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CABOT-EPA 006696



## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-11R Lab ID: 3027393021 Collected: 05/10/10 16:45 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
			Analytical Method: EPA 8270 Preparation Method: EPA 3546					
bis(2-Chloroethoxy)methane	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	108-60-1	
2-Chloronaphthalene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	91-58-7	
2-Chlorophenol	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	7005-72-3	
Chrysene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	53-70-3	
Dibenzofuran	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	120-83-2	
Diethylphthalate	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	105-67-9	
Dimethylphthalate	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	131-11-3	
Di-n-butylphthalate	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	961	1	05/11/10 16:25	05/12/10 19:58	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	961	1	05/11/10 16:25	05/12/10 19:58	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	606-20-2	
Di-n-octylphthalate	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	117-81-7	
Fluoranthene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	206-44-0	
Fluorene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	87-68-3	
Hexachlorobenzene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	77-47-4	
Hexachloroethane	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	193-39-5	
Isophorone	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	78-59-1	
1-Methylnaphthalene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	90-12-0	
2-Methylnaphthalene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	768	1	05/11/10 16:25	05/12/10 19:58		
Naphthalene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	91-20-3	
2-Nitroaniline	ND	ug/kg	961	1	05/11/10 16:25	05/12/10 19:58	88-74-4	
3-Nitroaniline	ND	ug/kg	961	1	05/11/10 16:25	05/12/10 19:58	99-09-2	
4-Nitroaniline	ND	ug/kg	961	1	05/11/10 16:25	05/12/10 19:58	100-01-6	
Nitrobenzene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	98-95-3	
2-Nitrophenol	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	88-75-5	
4-Nitrophenol	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	621-64-7	

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Greensburg, PA 15601  
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## ANALYTICAL RESULTS

Project. [REDACTED]  
Pace Project No.: 3027393

Sample: [REDACTED] 2H/4H-11R Lab ID: 3027393021 Collected: 05/10/10 16:45 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSF FULL LIST MICROWAVE</b>								
			Analytical Method: EPA 8270 Preparation Method: EPA 3546					
N-Nitrosodiphenylamine	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	86-30-6	
Pentachlorophenol	ND	ug/kg	961	1	05/11/10 16:25	05/12/10 19:58	87-86-5	
Phenanthrene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	85-01-8	
Phenol	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	108-95-2	
Pyrene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	961	1	05/11/10 16:25	05/12/10 19:58	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	384	1	05/11/10 16:25	05/12/10 19:58	88-06-2	
Nitrobenzene-d5 (S)	60	%	35-114	1	05/11/10 16:25	05/12/10 19:58	4165-60-0	
2-Fluorobiphenyl (S)	81	%	43-116	1	05/11/10 16:25	05/12/10 19:58	321-60-8	
Terphenyl-d14 (S)	108	%	33-141	1	05/11/10 16:25	05/12/10 19:58	1718-51-0	
Phenol-d6 (S)	62	%	10-110	1	05/11/10 16:25	05/12/10 19:58	13127-88-3	
2-Fluorophenol (S)	59	%	21-110	1	05/11/10 16:25	05/12/10 19:58	367-12-4	
2,4,6-Tribromophenol (S)	100	%	10-123	1	05/11/10 16:25	05/12/10 19:58	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	129	ug/kg	8.8	1		05/13/10 00:13	67-64-1	
Benzene	ND	ug/kg	4.4	1		05/13/10 00:13	71-43-2	
Bromochloromethane	ND	ug/kg	4.4	1		05/13/10 00:13	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		05/13/10 00:13	75-27-4	
Bromoform	ND	ug/kg	4.4	1		05/13/10 00:13	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		05/13/10 00:13	74-83-9	
TOTAL BTEX	ND	ug/kg	26.3	1		05/13/10 00:13		
2-Butanone (MEK)	12.8	ug/kg	8.8	1		05/13/10 00:13	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1		05/13/10 00:13	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		05/13/10 00:13	135-98-8	
Carbon disulfide	ND	ug/kg	4.4	1		05/13/10 00:13	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		05/13/10 00:13	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		05/13/10 00:13	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		05/13/10 00:13	75-00-3	
Chloroform	ND	ug/kg	4.4	1		05/13/10 00:13	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		05/13/10 00:13	74-87-3	
Dibromochloromethane	ND	ug/kg	4.4	1		05/13/10 00:13	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		05/13/10 00:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		05/13/10 00:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		05/13/10 00:13	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.4	1		05/13/10 00:13	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		05/13/10 00:13	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	8.8	1		05/13/10 00:13	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.4	1		05/13/10 00:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		05/13/10 00:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		05/13/10 00:13	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		05/13/10 00:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		05/13/10 00:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		05/13/10 00:13	10061-02-6	

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CABOT-EPA 006698

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-11R Lab ID: 3027393021 Collected: 05/10/10 16:45 Received: 05/11/10 10:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.4	1		05/13/10 00:13	100-41-4	
2-Hexanone	ND	ug/kg	8.8	1		05/13/10 00:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		05/13/10 00:13	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		05/13/10 00:13	99-87-6	
Methylene Chloride	ND	ug/kg	4.4	1		05/13/10 00:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.8	1		05/13/10 00:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		05/13/10 00:13	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		05/13/10 00:13	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		05/13/10 00:13	103-65-1	
Styrene	ND	ug/kg	4.4	1		05/13/10 00:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		05/13/10 00:13	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		05/13/10 00:13	127-18-4	
Toluene	ND	ug/kg	4.4	1		05/13/10 00:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		05/13/10 00:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		05/13/10 00:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		05/13/10 00:13	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		05/13/10 00:13	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		05/13/10 00:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		05/13/10 00:13	108-67-8	
Vinyl chloride	ND	ug/kg	4.4	1		05/13/10 00:13	75-01-4	
Xylene (Total)	ND	ug/kg	13.1	1		05/13/10 00:13	1330-20-7	
m&p-Xylene	ND	ug/kg	8.8	1		05/13/10 00:13	179601-23-1	
o-Xylene	ND	ug/kg	4.4	1		05/13/10 00:13	95-47-6	
Toluene-d8 (S)	97	%	70-130	1		05/13/10 00:13	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130	1		05/13/10 00:13	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	70-130	1		05/13/10 00:13	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	14.1	%	0.10	1		05/12/10 15:04		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	31.4	mg/kg	5.5	1		05/12/10 15:32	7664-41-7	

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CABOT-EPA 006699



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(724)850-5600

### ANALYTICAL RESULTS

Project [REDACTED]  
Pace Project No.: 3027393

<b>Sample:</b> <span style="background-color: black; color: black;">[REDACTED]</span> <b>2H/4H-11R ASTM</b>		<b>Lab ID:</b> 3027393022	Collected 05/10/10 16 45	Received: 05/11/10 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/13/10 14:08		2c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND	mg/L	3.0	1		05/12/10 20 48	16887-00-6	

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CABOT-EPA 006700

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No : 3027393

Sample: XXXXXXXXXX 2H/4H-12R Lab ID: 3027393023 Collected: 05/10/10 17:15 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	10400	mg/kg	6.4	1	05/11/10 16:38	05/13/10 15:26	7429-90-5	
Antimony	ND	mg/kg	0.32	1	05/11/10 16:38	05/13/10 15:26	7440-36-0	
Arsenic	13.7	mg/kg	0.32	1	05/11/10 16:38	05/13/10 15:26	7440-38-2	
Barium	365	mg/kg	1.3	1	05/11/10 16:38	05/13/10 15:26	7440-39-3	
Beryllium	0.46	mg/kg	0.13	1	05/11/10 16:38	05/13/10 15:26	7440-41-7	
Boron	5.7	mg/kg	3.2	1	05/11/10 16:38	05/13/10 15:26	7440-42-8	
Cadmium	ND	mg/kg	0.13	1	05/11/10 16:38	05/13/10 15:26	7440-43-9	
Calcium	1250	mg/kg	128	1	05/11/10 16:38	05/13/10 15:26	7440-70-2	
Chromium	12.6	mg/kg	0.32	1	05/11/10 16:38	05/13/10 15:26	7440-47-3	
Cobalt	9.3	mg/kg	0.64	1	05/11/10 16:38	05/13/10 15:26	7440-48-4	
Copper	8.1	mg/kg	0.64	1	05/11/10 16:38	05/13/10 15:26	7440-50-8	
Iron	20300	mg/kg	6.4	1	05/11/10 16:38	05/13/10 15:26	7439-89-6	
Lead	6.6	mg/kg	0.32	1	05/11/10 16:38	05/13/10 15:26	7439-92-1	
Magnesium	3940	mg/kg	32.1	1	05/11/10 16:38	05/13/10 15:26	7439-95-4	
Manganese	181	mg/kg	0.64	1	05/11/10 16:38	05/13/10 15:26	7439-96-5	
Molybdenum	ND	mg/kg	1.3	1	05/11/10 16:38	05/13/10 15:26	7439-98-7	
Nickel	16.2	mg/kg	1.3	1	05/11/10 16:38	05/13/10 15:26	7440-02-0	
Potassium	1450	mg/kg	32.1	1	05/11/10 16:38	05/13/10 15:26	7440-09-7	
Selenium	ND	mg/kg	0.32	1	05/11/10 16:38	05/13/10 15:26	7782-49-2	
Silver	0.19	mg/kg	0.13	1	05/11/10 16:38	05/13/10 15:26	7440-22-4	
Sodium	ND	mg/kg	321	1	05/11/10 16:38	05/13/10 15:26	7440-23-5	
Thallium	ND	mg/kg	1.3	1	05/11/10 16:38	05/13/10 15:26	7440-28-0	
Vanadium	11.6	mg/kg	0.64	1	05/11/10 16:38	05/13/10 15:26	7440-62-2	
Zinc	46.7	mg/kg	0.64	1	05/11/10 16:38	05/13/10 15:26	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.11	1	05/12/10 11:39	05/13/10 11:35	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	83-32-9	
Acenaphthylene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	208-96-8	
Anthracene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	120-12-7	
Azobenzene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	103-33-3	
Benzo(a)anthracene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	56-55-3	
Benzo(a)pyrene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	207-08-9	
Benzoic acid	ND	ug/kg	903	1	05/11/10 16:25	05/12/10 20:21	65-85-0	
Benzyl alcohol	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	101-55-3	
Butylbenzylphthalate	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	85-68-7	
Carbazole	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	59-50-7	
4-Chloroaniline	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	106-47-8	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-12R Lab ID: 3027393023 Collected 05/10/10 17:15 Received 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	108-60-1	
2-Chloronaphthalene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	91-58-7	
2-Chlorophenol	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	7005-72-3	
Chrysene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	53-70-3	
Dibenzofuran	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	120-83-2	
Diethylphthalate	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	105-67-9	
Dimethylphthalate	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	131-11-3	
Di-n-butylphthalate	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	903	1	05/11/10 16:25	05/12/10 20:21	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	903	1	05/11/10 16:25	05/12/10 20:21	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	606-20-2	
Di-n-octylphthalate	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	117-81-7	
Fluoranthene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	206-44-0	
Fluorene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	87-68-3	
Hexachlorobenzene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	77-47-4	
Hexachloroethane	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	193-39-5	
Isophorone	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	78-59-1	
1-Methylnaphthalene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	90-12-0	
2-Methylnaphthalene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	722	1	05/11/10 16:25	05/12/10 20:21		
Naphthalene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	91-20-3	
2-Nitroaniline	ND	ug/kg	903	1	05/11/10 16:25	05/12/10 20:21	88-74-4	
3-Nitroaniline	ND	ug/kg	903	1	05/11/10 16:25	05/12/10 20:21	99-09-2	
4-Nitroaniline	ND	ug/kg	903	1	05/11/10 16:25	05/12/10 20:21	100-01-6	
Nitrobenzene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	98-95-3	
2-Nitrophenol	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	88-75-5	
4-Nitrophenol	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	621-64-7	

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CABOT-EPA 006702

## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Sample: XXXXXXXXXX 2H/4H-12R Lab ID: 3027393023 Collected: 05/10/10 17:15 Received: 05/11/10 10:00 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
			Analytical Method: EPA 8270 Preparation Method: EPA 3546					
N-Nitrosodiphenylamine	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	86-30-6	
Pentachlorophenol	ND	ug/kg	903	1	05/11/10 16:25	05/12/10 20:21	87-86-5	
Phenanthrene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	85-01-8	
Phenol	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	108-95-2	
Pyrene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	903	1	05/11/10 16:25	05/12/10 20:21	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	361	1	05/11/10 16:25	05/12/10 20:21	88-06-2	
Nitrobenzene-d5 (S)	64	%	35-114	1	05/11/10 16:25	05/12/10 20:21	4165-60-0	
2-Fluorobiphenyl (S)	80	%	43-116	1	05/11/10 16:25	05/12/10 20:21	321-60-8	
Terphenyl-d14 (S)	105	%	33-141	1	05/11/10 16:25	05/12/10 20:21	1718-51-0	
Phenol-d6 (S)	62	%	10-110	1	05/11/10 16:25	05/12/10 20:21	13127-88-3	
2-Fluorophenol (S)	62	%	21-110	1	05/11/10 16:25	05/12/10 20:21	367-12-4	
2,4,6-Tribromophenol (S)	88	%	10-123	1	05/11/10 16:25	05/12/10 20:21	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	66.0	ug/kg	9.3	1		05/13/10 16:02	67-64-1	
Benzene	ND	ug/kg	4.7	1		05/13/10 16:02	71-43-2	
Bromochloromethane	ND	ug/kg	4.7	1		05/13/10 16:02	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		05/13/10 16:02	75-27-4	
Bromoform	ND	ug/kg	4.7	1		05/13/10 16:02	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		05/13/10 16:02	74-83-9	
TOTAL BTEX	ND	ug/kg	28.0	1		05/13/10 16:02		
2-Butanone (MEK)	17.5	ug/kg	9.3	1		05/13/10 16:02	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		05/13/10 16:02	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		05/13/10 16:02	135-98-8	
Carbon disulfide	34.4	ug/kg	4.7	1		05/13/10 16:02	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		05/13/10 16:02	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		05/13/10 16:02	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		05/13/10 16:02	75-00-3	
Chloroform	ND	ug/kg	4.7	1		05/13/10 16:02	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		05/13/10 16:02	74-87-3	
Dibromochloromethane	ND	ug/kg	4.7	1		05/13/10 16:02	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		05/13/10 16:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		05/13/10 16:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		05/13/10 16:02	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.7	1		05/13/10 16:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		05/13/10 16:02	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	9.3	1		05/13/10 16:02	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.7	1		05/13/10 16:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		05/13/10 16:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		05/13/10 16:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		05/13/10 16:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		05/13/10 16:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		05/13/10 16:02	10061-02-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX  
Pace Project No : 3027393

Sample: XXXXXXXXXX 2H/4H-12R Lab ID: 3027393023 Collected: 05/10/10 17:15 Received 05/11/10 10:00 Matrx: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.7	1		05/13/10 16:02	100-41-4	
2-Hexanone	ND	ug/kg	9.3	1		05/13/10 16:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		05/13/10 16:02	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		05/13/10 16:02	99-87-6	
Methylene Chloride	ND	ug/kg	4.7	1		05/13/10 16:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	9.3	1		05/13/10 16:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		05/13/10 16:02	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		05/13/10 16:02	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		05/13/10 16:02	103-65-1	
Styrene	ND	ug/kg	4.7	1		05/13/10 16:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		05/13/10 16:02	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		05/13/10 16:02	127-18-4	
Toluene	ND	ug/kg	4.7	1		05/13/10 16:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		05/13/10 16:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		05/13/10 16:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		05/13/10 16:02	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		05/13/10 16:02	79-01-6	
1,2,4-Trimethylbenzene	7.1	ug/kg	4.7	1		05/13/10 16:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		05/13/10 16:02	108-67-8	
Vinyl chloride	ND	ug/kg	4.7	1		05/13/10 16:02	75-01-4	
Xylene (Total)	ND	ug/kg	14.0	1		05/13/10 16:02	1330-20-7	
m&p-Xylene	ND	ug/kg	9.3	1		05/13/10 16:02	179601-23-1	
o-Xylene	ND	ug/kg	4.7	1		05/13/10 16:02	95-47-6	
Toluene-d8 (S)	102	%	70-130	1		05/13/10 16:02	2037-26-5	
4-Bromofluorobenzene (S)	109	%	70-130	1		05/13/10 16:02	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130	1		05/13/10 16:02	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	10.5	%	0.10	1		05/12/10 15:04		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	29.0	mg/kg	4.9	1		05/12/10 15:33	7664-41-7	

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## ANALYTICAL RESULTS

Project. [REDACTED]  
Pace Project No.: 3027393

Sample: <span style="background-color: black; color: black;">[REDACTED]</span> 2H/4H-12R ASTM		Lab ID: 3027393024	Collected: 05/10/10 17:15	Received: 05/11/10 10:00	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
5540C MBAS Surfactants		Analytical Method: SM 5540C						
Surfactants	ND mg/L		0.10	1		05/13/10 14:08		2c
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	ND mg/L		3.0	1		05/12/10 20:49	16887-00-6	

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### QUALITY CONTROL DATA

Project XXXXXXXXXX  
Pace Project No.: 3027393

QC Batch: MPRP/3824 Analysis Method: EPA 6010B  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015,  
3027393017, 3027393019, 3027393021, 3027393023

METHOD BLANK: 168578 Matrix: Solid  
Associated Lab Samples: 3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015,  
3027393017, 3027393019, 3027393021, 3027393023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	05/13/10 13:55	
Antimony	mg/kg	ND	0.50	05/13/10 13:55	
Arsenic	mg/kg	ND	0.50	05/13/10 13:55	
Barium	mg/kg	ND	2.0	05/13/10 13:55	
Beryllium	mg/kg	ND	0.20	05/13/10 13:55	
Boron	mg/kg	ND	5.0	05/13/10 13:55	
Cadmium	mg/kg	ND	0.20	05/13/10 13:55	
Calcium	mg/kg	ND	200	05/13/10 13:55	
Chromium	mg/kg	ND	0.50	05/13/10 13:55	
Cobalt	mg/kg	ND	1.0	05/13/10 13:55	
Copper	mg/kg	ND	1.0	05/13/10 13:55	
Iron	mg/kg	ND	10.0	05/13/10 13:55	
Lead	mg/kg	ND	0.50	05/13/10 13:55	
Magnesium	mg/kg	ND	50.0	05/13/10 13:55	
Manganese	mg/kg	ND	1.0	05/13/10 13:55	
Molybdenum	mg/kg	ND	2.0	05/13/10 13:55	
Nickel	mg/kg	ND	2.0	05/13/10 13:55	
Potassium	mg/kg	ND	50.0	05/13/10 13:55	
Selenium	mg/kg	ND	0.50	05/13/10 13:55	
Silver	mg/kg	ND	0.20	05/13/10 13:55	
Sodium	mg/kg	ND	500	05/13/10 13:55	
Thallium	mg/kg	ND	2.0	05/13/10 13:55	
Vanadium	mg/kg	ND	1.0	05/13/10 13:55	
Zinc	mg/kg	ND	1.0	05/13/10 13:55	

#### LABORATORY CONTROL SAMPLE: 168579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	487	97	80-120	
Antimony	mg/kg	50	47.5	95	80-120	
Arsenic	mg/kg	50	46.7	93	80-120	
Barium	mg/kg	50	51.4	103	80-120	
Beryllium	mg/kg	50	50.1	100	80-120	
Boron	mg/kg	50	47.7	95	80-120	
Cadmium	mg/kg	50	48.6	97	80-120	
Calcium	mg/kg	500	473	95	80-120	
Chromium	mg/kg	50	50.0	100	80-120	
Cobalt	mg/kg	50	48.7	97	80-120	
Copper	mg/kg	50	51.4	103	80-120	
Iron	mg/kg	500	494	99	80-120	

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CABOT-EPA 006706

### QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No: 3027393

LABORATORY CONTROL SAMPLE: 168579

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	47.8	96	80-120	
Magnesium	mg/kg	500	469	94	80-120	
Manganese	mg/kg	50	49.5	99	80-120	
Molybdenum	mg/kg	50	51.2	102	80-120	
Nickel	mg/kg	50	49.2	98	80-120	
Potassium	mg/kg	500	455	91	80-120	
Selenium	mg/kg	50	41.8	84	80-120	
Silver	mg/kg	25	25.1	100	80-120	
Sodium	mg/kg	500	492J	98	80-120	
Thallium	mg/kg	50	47.5	95	80-120	
Vanadium	mg/kg	50	50.0	100	80-120	
Zinc	mg/kg	50	47.1	94	80-120	

MATRIX SPIKE SAMPLE: 168581

Parameter	Units	3027385001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	11800	549	12200	82	80-120	
Antimony	mg/kg	2.0	54.9	21.2	35	80-120	M1
Arsenic	mg/kg	99.2	54.9	115	28	80-120	M1
Barium	mg/kg	154	54.9	200	83	80-120	
Beryllium	mg/kg	0.74	54.9	43.3	78	80-120	M1
Boron	mg/kg	11.6	54.9	53.3	76	80-120	M1
Cadmium	mg/kg	ND	54.9	41.6	76	80-120	M1
Calcium	mg/kg	4760	549	7700	536	80-120	M1
Chromium	mg/kg	12.7	54.9	54.6	76	80-120	M1
Cobalt	mg/kg	1.9	54.9	42.5	74	80-120	M1
Copper	mg/kg	20.9	54.9	61.2	73	80-120	M1
Iron	mg/kg	14200	549	12700	-271	80-120	M1
Lead	mg/kg	87.2	54.9	114	49	80-120	M1
Magnesium	mg/kg	537	549	1290	136	80-120	M1
Manganese	mg/kg	62.5	54.9	130	124	80-120	M1
Molybdenum	mg/kg	2.6	54.9	45.1	77	80-120	M1
Nickel	mg/kg	6.4	54.9	45.9	72	80-120	M1
Potassium	mg/kg	2770	549	3160	70	80-120	M1
Selenium	mg/kg	9.2	54.9	44.4	64	80-120	M1
Silver	mg/kg	0.25	27.4	24.4	88	80-120	
Sodium	mg/kg	600	549	981	69	80-120	M1
Thallium	mg/kg	2.7	54.9	44.5	76	80-120	M1
Vanadium	mg/kg	21.0	54.9	64.0	78	80-120	M1
Zinc	mg/kg	38.1	54.9	70.3	59	80-120	M1

SAMPLE DUPLICATE: 168580

Parameter	Units	3027385001 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	11800	12000	2	

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## QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No.: 3027393

SAMPLE DUPLICATE. 168580

Parameter	Units	3027385001 Result	Dup Result	RPD	Qualifiers
Antimony	mg/kg	2.0	1.0	67	R1
Arsenic	mg/kg	99.2	94.9	4	
Barium	mg/kg	154	178	14	
Beryllium	mg/kg	0.74	0.86	15	
Boron	mg/kg	11.6	13.0	11	
Cadmium	mg/kg	ND	ND		
Calcium	mg/kg	4760	6330	28	R1
Chromium	mg/kg	12.7	15.0	17	
Cobalt	mg/kg	1.9	2.2	16	
Copper	mg/kg	20.9	25.0	18	
Iron	mg/kg	14200	15000	6	
Lead	mg/kg	87.2	91.5	5	
Magnesium	mg/kg	537	822	42	R1
Manganese	mg/kg	62.5	158	86	R1
Molybdenum	mg/kg	2.6	2.8	6	
Nickel	mg/kg	6.4	6.1	4	
Potassium	mg/kg	2770	2930	6	
Selenium	mg/kg	9.2	10.7	15	
Silver	mg/kg	0.25	0.30	18	
Sodium	mg/kg	600	646	7	
Thallium	mg/kg	2.7	.62J		
Vanadium	mg/kg	21.0	23.2	10	
Zinc	mg/kg	38.1	39.9	5	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No.: 3027393

QC Batch: MERP/1900 Analysis Method: EPA 7471  
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury  
Associated Lab Samples: 3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015,  
3027393017, 3027393019, 3027393021, 3027393023

METHOD BLANK: 168778 Matrix: Solid  
Associated Lab Samples: 3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015,  
3027393017, 3027393019, 3027393021, 3027393023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.10	05/13/10 11:08	

LABORATORY CONTROL SAMPLE: 168779

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.042	.044J	106	85-115	

MATRIX SPIKE SAMPLE: 168781

Parameter	Units	3027393001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.11	0.11	101	75-125	

SAMPLE DUPLICATE: 168780

Parameter	Units	3027393001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	ND	.0025J		

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No.: 3027393

QC Batch:	OEXT/4872	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave
Associated Lab Samples:	3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023		

METHOD BLANK:	168409	Matrix:	Solid
Associated Lab Samples:	3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	333	05/12/10 13:53	
1,2-Dichlorobenzene	ug/kg	ND	333	05/12/10 13:53	
1,3-Dichlorobenzene	ug/kg	ND	333	05/12/10 13:53	
1,4-Dichlorobenzene	ug/kg	ND	333	05/12/10 13:53	
1-Methylnaphthalene	ug/kg	ND	333	05/12/10 13:53	
2,4,5-Trichlorophenol	ug/kg	ND	833	05/12/10 13:53	
2,4,6-Trichlorophenol	ug/kg	ND	333	05/12/10 13:53	
2,4-Dichlorophenol	ug/kg	ND	333	05/12/10 13:53	
2,4-Dimethylphenol	ug/kg	ND	333	05/12/10 13:53	
2,4-Dinitrophenol	ug/kg	ND	833	05/12/10 13:53	
2,4-Dinitrotoluene	ug/kg	ND	333	05/12/10 13:53	
2,6-Dinitrotoluene	ug/kg	ND	333	05/12/10 13:53	
2-Chloronaphthalene	ug/kg	ND	333	05/12/10 13:53	
2-Chlorophenol	ug/kg	ND	333	05/12/10 13:53	
2-Methylnaphthalene	ug/kg	ND	333	05/12/10 13:53	
2-Methylphenol(o-Cresol)	ug/kg	ND	333	05/12/10 13:53	
2-Nitroaniline	ug/kg	ND	833	05/12/10 13:53	
2-Nitrophenol	ug/kg	ND	333	05/12/10 13:53	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	666	05/12/10 13:53	
3,3'-Dichlorobenzidine	ug/kg	ND	333	05/12/10 13:53	
3-Nitroaniline	ug/kg	ND	833	05/12/10 13:53	
4,6-Dinitro-2-methylphenol	ug/kg	ND	833	05/12/10 13:53	
4-Bromophenylphenyl ether	ug/kg	ND	333	05/12/10 13:53	
4-Chloro-3-methylphenol	ug/kg	ND	333	05/12/10 13:53	
4-Chloroaniline	ug/kg	ND	333	05/12/10 13:53	
4-Chlorophenylphenyl ether	ug/kg	ND	333	05/12/10 13:53	
4-Nitroaniline	ug/kg	ND	833	05/12/10 13:53	
4-Nitrophenol	ug/kg	ND	333	05/12/10 13:53	
Acenaphthene	ug/kg	ND	333	05/12/10 13:53	
Acenaphthylene	ug/kg	ND	333	05/12/10 13:53	
Anthracene	ug/kg	ND	333	05/12/10 13:53	
Azobenzene	ug/kg	ND	333	05/12/10 13:53	
Benzo(a)anthracene	ug/kg	ND	333	05/12/10 13:53	
Benzo(a)pyrene	ug/kg	ND	333	05/12/10 13:53	
Benzo(b)fluoranthene	ug/kg	ND	333	05/12/10 13:53	
Benzo(g,h,i)perylene	ug/kg	ND	333	05/12/10 13:53	
Benzo(k)fluoranthene	ug/kg	ND	333	05/12/10 13:53	
Benzoic acid	ug/kg	ND	833	05/12/10 13:53	
Benzyl alcohol	ug/kg	ND	333	05/12/10 13:53	
bis(2-Chloroethoxy)methane	ug/kg	ND	333	05/12/10 13:53	
bis(2-Chloroethyl) ether	ug/kg	ND	333	05/12/10 13:53	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No: 3027393

METHOD BLANK: 168409

Matrix: Solid

Associated Lab Samples: 3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	ND	333	05/12/10 13:53	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	333	05/12/10 13:53	
Butylbenzylphthalate	ug/kg	ND	333	05/12/10 13:53	
Carbazole	ug/kg	ND	333	05/12/10 13:53	
Chrysene	ug/kg	ND	333	05/12/10 13:53	
Di-n-butylphthalate	ug/kg	ND	333	05/12/10 13:53	
Di-n-octylphthalate	ug/kg	ND	333	05/12/10 13:53	
Dibenz(a,h)anthracene	ug/kg	ND	333	05/12/10 13:53	
Dibenzofuran	ug/kg	ND	333	05/12/10 13:53	
Diethylphthalate	ug/kg	ND	333	05/12/10 13:53	
Dimethylphthalate	ug/kg	ND	333	05/12/10 13:53	
Fluoranthene	ug/kg	ND	333	05/12/10 13:53	
Fluorene	ug/kg	ND	333	05/12/10 13:53	
Hexachloro-1,3-butadiene	ug/kg	ND	333	05/12/10 13:53	
Hexachlorobenzene	ug/kg	ND	333	05/12/10 13:53	
Hexachlorocyclopentadiene	ug/kg	ND	333	05/12/10 13:53	
Hexachloroethane	ug/kg	ND	333	05/12/10 13:53	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	333	05/12/10 13:53	
Isophorone	ug/kg	ND	333	05/12/10 13:53	
N-Nitroso-di-n-propylamine	ug/kg	ND	333	05/12/10 13:53	
N-Nitrosodimethylamine	ug/kg	ND	333	05/12/10 13:53	
N-Nitrosodiphenylamine	ug/kg	ND	333	05/12/10 13:53	
Naphthalene	ug/kg	ND	333	05/12/10 13:53	
Nitrobenzene	ug/kg	ND	333	05/12/10 13:53	
Pentachlorophenol	ug/kg	ND	833	05/12/10 13:53	
Phenanthrene	ug/kg	ND	333	05/12/10 13:53	
Phenol	ug/kg	ND	333	05/12/10 13:53	
Pyrene	ug/kg	ND	333	05/12/10 13:53	
2,4,6-Tribromophenol (S)	%	80	10-123	05/12/10 13:53	
2-Fluorobiphenyl (S)	%	76	43-116	05/12/10 13:53	
2-Fluorophenol (S)	%	71	21-110	05/12/10 13:53	
Nitrobenzene-d5 (S)	%	62	35-114	05/12/10 13:53	
Phenol-d6 (S)	%	70	10-110	05/12/10 13:53	
Terphenyl-d14 (S)	%	81	33-141	05/12/10 13:53	

LABORATORY CONTROL SAMPLE: 168410

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	2920	88	43-120	
1,2-Dichlorobenzene	ug/kg		ND			
1,3-Dichlorobenzene	ug/kg		ND			
1,4-Dichlorobenzene	ug/kg	3330	2700	81	37-118	
1-Methylnaphthalene	ug/kg	3330	3210	96	40-140	
2,4,5-Trichlorophenol	ug/kg		ND			

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No : 3027393

LABORATORY CONTROL SAMPLE: 168410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Trichlorophenol	ug/kg		ND			
2,4-Dichlorophenol	ug/kg		ND			
2,4-Dimethylphenol	ug/kg		ND			
2,4-Dinitrophenol	ug/kg		ND			
2,4-Dinitrotoluene	ug/kg	3330	3080	92	34-115	
2,6-Dinitrotoluene	ug/kg		ND			
2-Chloronaphthalene	ug/kg		ND			
2-Chlorophenol	ug/kg	3330	2930	88	40-140	
2-Methylnaphthalene	ug/kg	3330	2690	81	40-140	
2-Methylphenol(o-Cresol)	ug/kg		ND			
2-Nitroaniline	ug/kg		ND			
2-Nitrophenol	ug/kg		ND			
3&4-Methylphenol(m&p Cresol)	ug/kg		ND			
3,3'-Dichlorobenzidine	ug/kg		ND			
3-Nitroaniline	ug/kg		ND			
4,6-Dinitro-2-methylphenol	ug/kg		ND			
4-Bromophenylphenyl ether	ug/kg		ND			
4-Chloro-3-methylphenol	ug/kg	3330	3500	105	42-130	
4-Chloroaniline	ug/kg		ND			
4-Chlorophenylphenyl ether	ug/kg		ND			
4-Nitroaniline	ug/kg		ND			
4-Nitrophenol	ug/kg	3330	2490	75	27-125	
Acenaphthene	ug/kg	3330	2930	88	48-114	
Acenaphthylene	ug/kg	3330	3050	92	40-140	
Anthracene	ug/kg	3330	3120	94	40-140	
Azobenzene	ug/kg		ND			
Benzo(a)anthracene	ug/kg	3330	3290	99	40-140	
Benzo(a)pyrene	ug/kg	3330	3430	103	40-140	
Benzo(b)fluoranthene	ug/kg	3330	3290	99	40-140	
Benzo(g,h,i)perylene	ug/kg	3330	3230	97	40-140	
Benzo(k)fluoranthene	ug/kg	3330	3200	96	40-140	
Benzoic acid	ug/kg		ND			
Benzyl alcohol	ug/kg		ND			
bis(2-Chloroethoxy)methane	ug/kg		ND			
bis(2-Chloroethyl) ether	ug/kg		ND			
bis(2-Chloroisopropyl) ether	ug/kg		ND			
bis(2-Ethylhexyl)phthalate	ug/kg		ND			
Butylbenzylphthalate	ug/kg		ND			
Carbazole	ug/kg		ND			
Chrysene	ug/kg	3330	3190	96	40-140	
Di-n-butylphthalate	ug/kg		ND			
Di-n-octylphthalate	ug/kg		ND			
Dibenz(a,h)anthracene	ug/kg	3330	3510	105	40-140	
Dibenzofuran	ug/kg		ND			
Diethylphthalate	ug/kg		ND			
Dimethylphthalate	ug/kg		ND			
Fluoranthene	ug/kg	3330	3030	91	40-140	
Fluorene	ug/kg	3330	3110	93	40-140	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No.: 3027393

LABORATORY CONTROL SAMPLE: 168410

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloro-1,3-butadiene	ug/kg		ND			
Hexachlorobenzene	ug/kg		ND			
Hexachlorocyclopentadiene	ug/kg		ND			
Hexachloroethane	ug/kg		ND			
Indeno(1,2,3-cd)pyrene	ug/kg	3330	3400	102	40-140	
Isophorone	ug/kg		ND			
N-Nitroso-di-n-propylamine	ug/kg	3330	3160	95	43-126	
N-Nitrosodimethylamine	ug/kg		ND			
N-Nitrosodiphenylamine	ug/kg		ND			
Naphthalene	ug/kg	3330	2790	84	40-140	
Nitrobenzene	ug/kg		ND			
Pentachlorophenol	ug/kg	3330	2490	75	14-127	
Phenanthrene	ug/kg	3330	3070	92	40-140	
Phenol	ug/kg	3330	2430	73	39-120	
Pyrene	ug/kg	3330	2760	83	43-135	
2,4,6-Tribromophenol (S)	%			103	10-123	
2-Fluorobiphenyl (S)	%			91	43-116	
2-Fluorophenol (S)	%			79	21-110	
Nitrobenzene-d5 (S)	%			74	35-114	
Phenol-d6 (S)	%			86	10-110	
Terphenyl-d14 (S)	%			100	33-141	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 168411 168412

Parameter	Units	3027393001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	3550	3570	3050	2730	86	76	43-120	11	
1,2-Dichlorobenzene	ug/kg	ND			ND	ND					
1,3-Dichlorobenzene	ug/kg	ND			ND	ND					
1,4-Dichlorobenzene	ug/kg	ND	3550	3570	2760	2360	78	66	37-118	16	
1-Methylnaphthalene	ug/kg	ND	3550	3570	3380	3000	95	84	40-140	12	
2,4,5-Trichlorophenol	ug/kg	ND			ND	ND					
2,4,6-Trichlorophenol	ug/kg	ND			ND	ND					
2,4-Dichlorophenol	ug/kg	ND			ND	ND					
2,4-Dimethylphenol	ug/kg	ND			ND	ND					
2,4-Dinitrophenol	ug/kg	ND			ND	ND					
2,4-Dinitrotoluene	ug/kg	ND	3550	3570	3120	3130	88	87	34-115	.3	
2,6-Dinitrotoluene	ug/kg	ND			ND	ND					
2-Chloronaphthalene	ug/kg	ND			ND	ND					
2-Chlorophenol	ug/kg	ND	3550	3570	3060	2610	86	73	40-140	16	
2-Methylnaphthalene	ug/kg	ND	3550	3570	2880	2550	81	71	40-140	12	
2-Methylphenol(o-Cresol)	ug/kg	ND			ND	ND					
2-Nitroaniline	ug/kg	ND			ND	ND					
2-Nitrophenol	ug/kg	ND			ND	ND					
3&4-Methylphenol(m&p Cresol)	ug/kg	ND			ND	ND					
3,3'-Dichlorobenzidine	ug/kg	ND			ND	ND					

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No. 3027393

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 168411 168412											
Parameter	Units	3027393001 Result	MS Spike Conc	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
3-Nitroaniline	ug/kg	ND			ND	ND					
4,6-Dinitro-2-methylphenol	ug/kg	ND			ND	ND					
4-Bromophenylphenyl ether	ug/kg	ND			ND	ND					
4-Chloro-3-methylphenol	ug/kg	ND	3550	3570	3650	3260	103	91	42-130	11	
4-Chloroaniline	ug/kg	ND			ND	ND					
4-Chlorophenylphenyl ether	ug/kg	ND			ND	ND					
4-Nitroaniline	ug/kg	ND			ND	ND					
4-Nitrophenol	ug/kg	ND	3550	3570	2340	3050	66	85	27-125	27	
Acenaphthene	ug/kg	ND	3550	3570	3030	2780	85	78	48-114	8	
Acenaphthylene	ug/kg	ND	3550	3570	3160	2880	89	81	40-140	9	
Anthracene	ug/kg	ND	3550	3570	3250	3250	92	91	40-140	.09	
Azobenzene	ug/kg	ND			ND	ND					
Benzo(a)anthracene	ug/kg	ND	3550	3570	3290	3370	93	94	40-140	2	
Benzo(a)pyrene	ug/kg	ND	3550	3570	3340	3490	94	98	40-140	4	
Benzo(b)fluoranthene	ug/kg	ND	3550	3570	3310	3630	93	102	40-140	9	
Benzo(g,h,i)perylene	ug/kg	ND	3550	3570	2790	2780	79	78	40-140	.5	
Benzo(k)fluoranthene	ug/kg	ND	3550	3570	3290	3410	93	95	40-140	4	
Benzoic acid	ug/kg	ND			ND	ND					
Benzyl alcohol	ug/kg	ND			ND	ND					
bis(2-Chloroethoxy)methane	ug/kg	ND			ND	ND					
bis(2-Chloroethyl) ether	ug/kg	ND			ND	ND					
bis(2-Chloroisopropyl) ether	ug/kg	ND			ND	ND					
bis(2-Ethylhexyl)phthalate	ug/kg	ND			ND	ND					
Butylbenzylphthalate	ug/kg	ND			ND	ND					
Carbazole	ug/kg	ND			ND	ND					
Chrysene	ug/kg	ND	3550	3570	3200	3280	90	92	40-140	2	
Di-n-butylphthalate	ug/kg	ND			ND	ND					
Di-n-octylphthalate	ug/kg	ND			ND	ND					
Dibenz(a,h)anthracene	ug/kg	ND	3550	3570	3200	3120	90	87	40-140	3	
Dibenzofuran	ug/kg	ND			ND	ND					
Diethylphthalate	ug/kg	ND			ND	ND					
Dimethylphthalate	ug/kg	ND			ND	ND					
Fluoranthene	ug/kg	ND	3550	3570	3050	3220	86	90	40-140	6	
Fluorene	ug/kg	ND	3550	3570	3240	3060	91	86	40-140	6	
Hexachloro-1,3-butadiene	ug/kg	ND			ND	ND					
Hexachlorobenzene	ug/kg	ND			ND	ND					
Hexachlorocyclopentadiene	ug/kg	ND			ND	ND					
Hexachloroethane	ug/kg	ND			ND	ND					
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3550	3570	3040	3000	85	84	40-140	1	
Isophorone	ug/kg	ND			ND	ND					
N-Nitroso-di-n-propylamine	ug/kg	ND	3550	3570	3190	2850	90	80	43-126	11	
N-Nitrosodimethylamine	ug/kg	ND			ND	ND					
N-Nitrosodiphenylamine	ug/kg	ND			ND	ND					
Naphthalene	ug/kg	ND	3550	3570	2960	2610	83	73	40-140	13	
Nitrobenzene	ug/kg	ND			ND	ND					
Pentachlorophenol	ug/kg	ND	3550	3570	2500	2520	70	70	14-127	.9	
Phenanthrene	ug/kg	ND	3550	3570	3140	3080	88	86	40-140	2	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No : 3027393

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 168411 168412											
Parameter	Units	3027393001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Phenol	ug/kg	ND	3550	3570	2710	2270	76	64	39-120	17	
Pyrene	ug/kg	ND	3550	3570	2800	2810	79	79	43-135	.2	
2,4,6-Trbromophenol (S)	%						99	92	10-123		
2-Fluorobiphenyl (S)	%						85	78	43-116		
2-Fluorophenol (S)	%						75	60	21-110		
Nitrobenzene-d5 (S)	%						68	62	35-114		
Phenol-d6 (S)	%						82	68	10-110		
Terphenyl-d14 (S)	%						96	95	33-141		

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## QUALITY CONTROL DATA

Project XXXXXXXXXX  
Pace Project No.: 3027393

QC Batch: MSV/5796 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low  
Associated Lab Samples: 3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015,  
3027393017, 3027393019, 3027393021, 3027393023

METHOD BLANK: 169018 Matrix: Solid  
Associated Lab Samples: 3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015,  
3027393017, 3027393019, 3027393021, 3027393023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/12/10 19:24	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/12/10 19:24	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/12/10 19:24	
1,1-Dichloroethane	ug/kg	ND	5.0	05/12/10 19:24	
1,1-Dichloroethene	ug/kg	ND	5.0	05/12/10 19:24	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	05/12/10 19:24	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/12/10 19:24	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 19:24	
1,2-Dichloroethane	ug/kg	ND	5.0	05/12/10 19:24	
1,2-Dichloropropane	ug/kg	ND	5.0	05/12/10 19:24	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/12/10 19:24	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 19:24	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 19:24	
2-Butanone (MEK)	ug/kg	ND	10.0	05/12/10 19:24	
2-Hexanone	ug/kg	ND	10.0	05/12/10 19:24	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/12/10 19:24	
Acetone	ug/kg	14.6	10.0	05/12/10 19:24	C9
Benzene	ug/kg	ND	5.0	05/12/10 19:24	
Bromochloromethane	ug/kg	ND	5.0	05/12/10 19:24	
Bromodichloromethane	ug/kg	ND	5.0	05/12/10 19:24	
Bromoform	ug/kg	ND	5.0	05/12/10 19:24	
Bromomethane	ug/kg	ND	5.0	05/12/10 19:24	
Carbon disulfide	ug/kg	ND	5.0	05/12/10 19:24	
Carbon tetrachloride	ug/kg	ND	5.0	05/12/10 19:24	
Chlorobenzene	ug/kg	ND	5.0	05/12/10 19:24	
Chloroethane	ug/kg	ND	5.0	05/12/10 19:24	
Chloroform	ug/kg	ND	5.0	05/12/10 19:24	
Chloromethane	ug/kg	ND	5.0	05/12/10 19:24	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/12/10 19:24	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/12/10 19:24	
Dibromochloromethane	ug/kg	ND	5.0	05/12/10 19:24	
Ethylbenzene	ug/kg	ND	5.0	05/12/10 19:24	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/12/10 19:24	
m&p-Xylene	ug/kg	ND	10.0	05/12/10 19:24	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/12/10 19:24	
Methylene Chloride	ug/kg	ND	5.0	05/12/10 19:24	
n-Butylbenzene	ug/kg	ND	5.0	05/12/10 19:24	
n-Propylbenzene	ug/kg	ND	5.0	05/12/10 19:24	
Naphthalene	ug/kg	ND	5.0	05/12/10 19:24	
o-Xylene	ug/kg	ND	5.0	05/12/10 19:24	
p-Isopropyltoluene	ug/kg	ND	5.0	05/12/10 19:24	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No.: 3027393

METHOD BLANK: 169018

Matrix: Solid

Associated Lab Samples: 3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
sec-Butylbenzene	ug/kg	ND	5.0	05/12/10 19:24	
Styrene	ug/kg	ND	5.0	05/12/10 19:24	
Tetrachloroethene	ug/kg	ND	5.0	05/12/10 19:24	
Toluene	ug/kg	ND	5.0	05/12/10 19:24	
TOTAL BTEX	ug/kg	ND	30.0	05/12/10 19:24	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/12/10 19:24	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/12/10 19:24	
Trichloroethene	ug/kg	ND	5.0	05/12/10 19:24	
Vinyl chloride	ug/kg	ND	5.0	05/12/10 19:24	
Xylene (Total)	ug/kg	ND	15.0	05/12/10 19:24	
1,2-Dichloroethane-d4 (S)	%	112	70-130	05/12/10 19:24	
4-Bromofluorobenzene (S)	%	99	70-130	05/12/10 19:24	
Toluene-d8 (S)	%	96	70-130	05/12/10 19:24	

LABORATORY CONTROL SAMPLE: 169019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	20	17.7	89	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	20	17.3	86	70-130	
1,1,2-Trichloroethane	ug/kg	20	17.1	86	70-130	
1,1-Dichloroethane	ug/kg	20	18.1	91	70-130	
1,1-Dichloroethene	ug/kg	20	13.2	66	70-130 LO	
1,2,4-Trichlorobenzene	ug/kg	20	15.9	79	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	17.9	90	70-130	
1,2-Dichlorobenzene	ug/kg	20	17.9	89	70-130	
1,2-Dichloroethane	ug/kg	20	17.1	85	70-130	
1,2-Dichloropropane	ug/kg	20	17.8	89	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	18.2	91	70-130	
1,3-Dichlorobenzene	ug/kg	20	18.1	90	70-130	
1,4-Dichlorobenzene	ug/kg	20	17.6	88	70-130	
2-Butanone (MEK)	ug/kg	20	16.4	82	70-130	
2-Hexanone	ug/kg	20	16.9	85	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	18.8	94	70-130	
Acetone	ug/kg	20	17.5	87	70-130	
Benzene	ug/kg	20	17.9	90	70-130	
Bromochloromethane	ug/kg	20	17.3	87	70-130	
Bromodichloromethane	ug/kg	20	16.6	83	70-130	
Bromoform	ug/kg	20	16.3	81	70-130	
Bromomethane	ug/kg	20	19.5	97	70-130	
Carbon disulfide	ug/kg	20	23.0	115	70-130	
Carbon tetrachloride	ug/kg	20	17.6	88	70-130	
Chlorobenzene	ug/kg	20	17.6	88	70-130	
Chloroethane	ug/kg	20	20.3	101	70-130	
Chloroform	ug/kg	20	17.8	89	70-130	

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### QUALITY CONTROL DATA

Project XXXXXXXXXX  
Pace Project No.: 3027393

LABORATORY CONTROL SAMPLE. 169019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloromethane	ug/kg	20	16.0	80	70-130	
cis-1,2-Dichloroethene	ug/kg	20	16.8	84	70-130	
cis-1,3-Dichloropropene	ug/kg	20	16.5	83	70-130	
Dibromochloromethane	ug/kg	20	16.4	82	70-130	
Ethylbenzene	ug/kg	20	18.3	91	70-130	
Isopropylbenzene (Cumene)	ug/kg	20	19.2	96	70-130	
m&p-Xylene	ug/kg	40	33.5	84	70-130	
Methyl-tert-butyl ether	ug/kg	20	20.7	103	70-130	
Methylene Chloride	ug/kg	20	16.9	85	70-130	
n-Butylbenzene	ug/kg	20	18.2	91	70-130	
n-Propylbenzene	ug/kg	20	19.1	95	70-130	
Naphthalene	ug/kg	20	15.5	78	70-130	
o-Xylene	ug/kg	20	17.6	88	70-130	
p-Isopropyltoluene	ug/kg	20	18.8	94	70-130	
sec-Butylbenzene	ug/kg	20	19.3	96	70-130	
Styrene	ug/kg	20	16.7	83	70-130	
Tetrachloroethene	ug/kg	20	18.4	92	70-130	
Toluene	ug/kg	20	17.7	89	70-130	
TOTAL BTEX	ug/kg		105			
trans-1,2-Dichloroethene	ug/kg	20	16.3	82	70-130	
trans-1,3-Dichloropropene	ug/kg	20	15.8	79	70-130	
Trichloroethene	ug/kg	20	18.0	90	70-130	
Vinyl chloride	ug/kg	20	18.4	92	70-130	
Xylene (Total)	ug/kg	60	51.1	85	70-130	
1,2-Dichloroethane-d4 (S)	%			108	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			97	70-130	

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### QUALITY CONTROL DATA

Project: [REDACTED]  
Pace Project No : 3027393

QC Batch:	PMST/1841	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023		

SAMPLE DUPLICATE: 168952

Parameter	Units	3027276001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	9.9	9.4	5	

SAMPLE DUPLICATE: 168953

Parameter	Units	3027276002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.1	15.5	2	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No.: 3027393

QC Batch: WET/5581 Analysis Method: SM 5540C  
QC Batch Method: SM 5540C Analysis Description: 5540C MBAS Surfactants  
Associated Lab Samples: 3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016, 3027393018, 3027393020, 3027393022, 3027393024

METHOD BLANK: 169648 Matrix: Water  
Associated Lab Samples: 3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016, 3027393018, 3027393020, 3027393022, 3027393024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.10	05/13/10 14:08	

METHOD BLANK: 169655 Matrix: Water  
Associated Lab Samples: 3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016, 3027393018, 3027393020, 3027393022, 3027393024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.10	05/13/10 14:08	

LABORATORY CONTROL SAMPLE: 169649

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	1	0.86	86	85-115	SU

MATRIX SPIKE SAMPLE: 169651

Parameter	Units	3027513001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	ND	1	0.99	95	85-115	

SAMPLE DUPLICATE: 169650

Parameter	Units	3027513002 Result	Dup Result	RPD	Qualifiers
Surfactants	mg/L	ND	ND		

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX  
Pace Project No.: 3027393

QC Batch:	WETA/4209	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023		

METHOD BLANK:	168798	Matrix:	Solid
Associated Lab Samples:	3027393001, 3027393003, 3027393005, 3027393007, 3027393009, 3027393011, 3027393013, 3027393015, 3027393017, 3027393019, 3027393021, 3027393023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/kg	ND	5.0	05/12/10 15:20	

LABORATORY CONTROL SAMPLE: 168799						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/kg	159	150	95	85-115	

MATRIX SPIKE SAMPLE: 168800							
Parameter	Units	3027393023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/kg	29.0	154	160	85	85-115	

SAMPLE DUPLICATE: 168801					
Parameter	Units	3027393023 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/kg	29.0	24.6	16	



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### QUALITY CONTROL DATA

Project XXXXXXXXXX  
Pace Project No.: 3027393

QC Batch: WETA/4216 Analysis Method: SM 4500-Cl-E  
QC Batch Method: SM 4500-Cl-E Analysis Description: 4500 Chloride  
Associated Lab Samples: 3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016, 3027393018, 3027393020, 3027393022, 3027393024

METHOD BLANK: 169045 Matrix: Water  
Associated Lab Samples: 3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016, 3027393018, 3027393020, 3027393022, 3027393024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	05/12/10 20:37	

METHOD BLANK: 169195 Matrix: Water  
Associated Lab Samples: 3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016, 3027393018, 3027393020, 3027393022, 3027393024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	05/12/10 00:00	1c

METHOD BLANK: 169197 Matrix: Water  
Associated Lab Samples: 3027393002, 3027393004, 3027393006, 3027393008, 3027393010, 3027393012, 3027393014, 3027393016, 3027393018, 3027393020, 3027393022, 3027393024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	05/12/10 00:00	1c

LABORATORY CONTROL SAMPLE: 169046

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	38.7	97	85-115	

MATRIX SPIKE SAMPLE: 169047

Parameter	Units	3027393002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	ND	20	17.9	80	85-115	M1

SAMPLE DUPLICATE: 169048

Parameter	Units	3027393002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	ND	2J		

Date: 05/14/2010 03:55 PM

### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006722

## QUALIFIERS

Project: XXXXXXXXXX  
Pace Project No.: 3027393

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.  
ND - Not Detected at or above adjusted reporting limit.  
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.  
MDL - Adjusted Method Detection Limit  
S - Surrogate  
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.  
U - Indicates the compound was analyzed for, but not detected.

### LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

### WORKORDER QUALIFIERS

WO: 3027393

[1] The samples were subcontracted to Summit Environmental, 3310 Win Street, Cuyahoga Falls, OH 44223 for Glycol analysis. Results of the analysis are reported on the Summit Environmental. data tables

### ANALYTE QUALIFIERS

1c ASTM BLANK  
2c Sample was tumbled on 05/12/2010 and analyzed within 48 hours.  
C9 Common Laboratory Contaminant.  
L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.  
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
R1 RPD value was outside control limits.  
S0 Surrogate recovery outside laboratory control limits.  
SU MBAS, calculated as LAS, Mol wt 342.2 g/mol



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: [REDACTED]  
Pace Project No.: 3027393

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027393001	2H/4H-1R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393003	2H/4H-2R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393005	2H/4H-3R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393007	2H/4H-4R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393009	2H/4H-5R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393011	2H/4H-6R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393013	2H/4H-7R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393015	2H/4H-8R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393017	2H/4H-9R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393019	2H/4H-10R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393021	2H/4H-11R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393023	2H/4H-12R	EPA 3050	MPRP/3824	EPA 6010B	ICP/3432
3027393001	2H/4H-1R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393003	2H/4H-2R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393005	2H/4H-3R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393007	2H/4H-4R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393009	2H/4H-5R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393011	2H/4H-6R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393013	2H/4H-7R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393015	2H/4H-8R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393017	2H/4H-9R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393019	2H/4H-10R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393021	2H/4H-11R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393023	2H/4H-12R	EPA 7471	MERP/1900	EPA 7471	MERC/1856
3027393001	2H/4H-1R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393003	2H/4H-2R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393005	2H/4H-3R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393007	2H/4H-4R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393009	2H/4H-5R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393011	2H/4H-6R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393013	2H/4H-7R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393015	2H/4H-8R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393017	2H/4H-9R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393019	2H/4H-10R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393021	2H/4H-11R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393023	2H/4H-12R	EPA 3546	OEXT/4872	EPA 8270	MSSV/2100
3027393001	2H/4H-1R	EPA 8260	MSV/5796		
3027393003	2H/4H-2R	EPA 8260	MSV/5796		
3027393005	2H/4H-3R	EPA 8260	MSV/5796		
3027393007	2H/4H-4R	EPA 8260	MSV/5796		
3027393009	2H/4H-5R	EPA 8260	MSV/5796		
3027393011	2H/4H-6R	EPA 8260	MSV/5796		
3027393013	2H/4H-7R	EPA 8260	MSV/5796		
3027393015	2H/4H-8R	EPA 8260	MSV/5796		
3027393017	2H/4H-9R	EPA 8260	MSV/5796		
3027393019	2H/4H-10R	EPA 8260	MSV/5796		
3027393021	2H/4H-11R	EPA 8260	MSV/5796		

Date: 05/14/2010 03:55 PM

### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006724

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: XXXXXXXXXX  
Pace Project No.: 3027393

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027393023	2H/4H-12R	EPA 8260	MSV/5796		
3027393001	2H/4H-1R	ASTM D2974-87	PMST/1841		
3027393003	2H/4H-2R	ASTM D2974-87	PMST/1841		
3027393005	2H/4H-3R	ASTM D2974-87	PMST/1841		
3027393007	2H/4H-4R	ASTM D2974-87	PMST/1841		
3027393009	2H/4H-5R	ASTM D2974-87	PMST/1841		
3027393011	2H/4H-6R	ASTM D2974-87	PMST/1841		
3027393013	2H/4H-7R	ASTM D2974-87	PMST/1841		
3027393015	2H/4H-8R	ASTM D2974-87	PMST/1841		
3027393017	2H/4H-9R	ASTM D2974-87	PMST/1841		
3027393019	2H/4H-10R	ASTM D2974-87	PMST/1841		
3027393021	2H/4H-11R	ASTM D2974-87	PMST/1841		
3027393023	2H/4H-12R	ASTM D2974-87	PMST/1841		
3027393002	2H/4H-1R ASTM	SM 5540C	WET/5581		
3027393004	2H/4H-2R ASTM	SM 5540C	WET/5581		
3027393006	2H/4H-3R ASTM	SM 5540C	WET/5581		
3027393008	2H/4H-4R ASTM	SM 5540C	WET/5581		
3027393010	2H/4H-5R ASTM	SM 5540C	WET/5581		
3027393012	2H/4H-6R ASTM	SM 5540C	WET/5581		
3027393014	2H/4H-7R ASTM	SM 5540C	WET/5581		
3027393016	2H/4H-8R ASTM	SM 5540C	WET/5581		
3027393018	2H/4H-9R ASTM	SM 5540C	WET/5581		
3027393020	2H/4H-10R ASTM	SM 5540C	WET/5581		
3027393022	2H/4H-11R ASTM	SM 5540C	WET/5581		
3027393024	2H/4H-12R ASTM	SM 5540C	WET/5581		
3027393001	2H/4H-1R	EPA 350.1	WETA/4209		
3027393003	2H/4H-2R	EPA 350.1	WETA/4209		
3027393005	2H/4H-3R	EPA 350.1	WETA/4209		
3027393007	2H/4H-4R	EPA 350.1	WETA/4209		
3027393009	2H/4H-5R	EPA 350.1	WETA/4209		
3027393011	2H/4H-6R	EPA 350.1	WETA/4209		
3027393013	2H/4H-7R	EPA 350.1	WETA/4209		
3027393015	2H/4H-8R	EPA 350.1	WETA/4209		
3027393017	2H/4H-9R	EPA 350.1	WETA/4209		
3027393019	2H/4H-10R	EPA 350.1	WETA/4209		
3027393021	2H/4H-11R	EPA 350.1	WETA/4209		
3027393023	2H/4H-12R	EPA 350.1	WETA/4209		
3027393002	2H/4H-1R ASTM	SM 4500-CI-E	WETA/4216		
3027393004	2H/4H-2R ASTM	SM 4500-CI-E	WETA/4216		
3027393006	2H/4H-3R ASTM	SM 4500-CI-E	WETA/4216		
3027393008	2H/4H-4R ASTM	SM 4500-CI-E	WETA/4216		
3027393010	2H/4H-5R ASTM	SM 4500-CI-E	WETA/4216		
3027393012	2H/4H-6R ASTM	SM 4500-CI-E	WETA/4216		
3027393014	2H/4H-7R ASTM	SM 4500-CI-E	WETA/4216		
3027393016	2H/4H-8R ASTM	SM 4500-CI-E	WETA/4216		
3027393018	2H/4H-9R ASTM	SM 4500-CI-E	WETA/4216		
3027393020	2H/4H-10R ASTM	SM 4500-CI-E	WETA/4216		

Date 05/14/2010 03:55 PM

### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006725



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: - [REDACTED]  
Pace Project No : 3027393

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027393022	<span style="background-color: black; color: black;">[REDACTED]</span> 2H/4H-11R ASTM	SM 4500-CI-E	WETA/4216		
3027393024	<span style="background-color: black; color: black;">[REDACTED]</span> 2H/4H-12R ASTM	SM 4500-CI-E	WETA/4216		

Date: 05/14/2010 03:55 PM

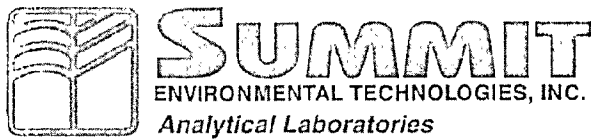
### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006726



## LABORATORY REPORT

### Client

Pace Analytical  
1638 Roseytown Road  
Greensburg, PA 15601

### Order Number

1006911

### Project Number

3027393

### Issued

Thursday, May 13, 2010

### Total Number of Pages

5 (excluding C.O.C. and cooler receipt form)

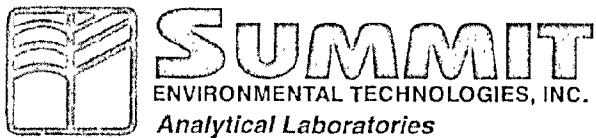
Approved By :

  
QA Manager

NELAC Accreditation #E87688

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3310 Win Street • Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 • Fax: 330-253-4489  
Web Site: [www.settek.com](http://www.settek.com)

CABOT-EPA 006727



### Sample Summary

Client: Pace Analytical

Order Number: 1006911

Laboratory ID	Client ID	Matrix	Sampling Date
1006911-01	3027393001	Solid	5/10/2010
1006911-02	3027393003	Solid	5/10/2010
1006911-03	3027393005	Solid	5/10/2010
1006911-04	3027393007	Solid	5/10/2010
1006911-05	3027393009	Solid	5/10/2010
1006911-06	3027393011	Solid	5/10/2010
1006911-07	3027393013	Solid	5/10/2010
1006911-08	3027393015	Solid	5/10/2010
1006911-09	3027393017	Solid	5/10/2010
1006911-10	3027393019	Solid	5/10/2010
1006911-11	3027393021	Solid	5/10/2010
1006911-12	3027393023	Solid	5/10/2010

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Web Site: [www.settek.com](http://www.settek.com)





## Report Narrative

Client: Pace Analytical

Order Number: 1006911

Solid sample results are reported on a wet weight basis except as noted.  
No problems were encountered during analysis of this order number, except as noted.

### Data Qualifiers:

B = Analyte found in the method blank  
J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)  
C = Analyte has been confirmed by another instrument or method  
E = Analyte exceeds the upper limit of the calibration curve.  
D = Sample or extract was analyzed at a higher dilution  
X = User defined data qualifier.  
S = Surrogate out of control limits  
U = Undetected  
a = Not Accredited by NELAC

ND = Non Detected at LOQ  
DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor)  
Limit Of Detection (LOD) = Laboratory Detection Limit

Matrices:  
A = Air  
C = Cream  
DW = Drinking Water  
L = Liquid  
O = Oil  
SL = Sludge  
SO = Soil  
S = Solid  
T = Tablet  
TC = TCLP Extract  
WW = Waste Water  
W = Wipe

Estimated uncertainty values are available upon request.

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

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Web Site: [www.scitek.com](http://www.scitek.com)



May 13, 2010

Client: Pace Analytical  
Address: 1638 Roseytown Road  
Greensburg, PA 15601

Received: 5/12/2010

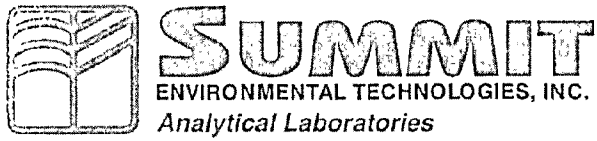
Project #: 3027393

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027393001	1006911-01	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN
3027393003	1006911-02	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN
3027393005	1006911-03	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN
3027393007	1006911-04	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN
3027393009	1006911-05	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN
3027393011	1006911-06	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN
3027393013	1006911-07	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN
3027393015	1006911-08	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN
3027393017	1006911-09	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN
3027393019	1006911-10	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN
3027393021	1006911-11	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN

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Web Site: [www.settek.com](http://www.settek.com)

CABOT-EPA 006730



May 13, 2010

Client: Pace Analytical  
Address: 1638 Roseytown Road  
Greensburg, PA 15601

Received: 5/12/2010  
Project #: 3027393

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027393023	1006911-12	10-May-10	Ethylene glycol	<10.0	mg/kg	S	8015	1	10	13-May-10	JBN

Page 5

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CABOT-EPA 006731



# Chain of Custody



Pace Analytical Services, Inc.  
1638 Roseytown Road  
Suites 2,3, & 4  
Greensburg, PA 15601  
Phone: (724) 850-5600  
FAX: (724) 850-5601

Subcontractor Project No.:  
P.O. No: ASR- 3027393

Request Date: 5/10/10 Analysis Due Date: ASAP  
Shipped By:

Certification Required: PA Cert

Pace Project No.: 3027393  
Report/Invoice to: Tim Reed

Page 1 of 1

	Pace Sample ID:	Matrix:	Collection Date:	Time:	Analysis Requested:	Analytical Method:	Detection Limits:	Units Requested:
1	3027393001	SL	5/10/10		Ethylene Glycol			
2	3027393003	SL	5/10/10		Ethylene Glycol			
3	3027393005	SL	5/10/10		Ethylene Glycol			
4	3027393007	SL	5/10/10		Ethylene Glycol			
5	3027393009	SL	5/10/10		Ethylene Glycol			
6	3027393011	SL	5/10/10		Ethylene Glycol			
7	3027393013	SL	5/10/10		Ethylene Glycol			
8	3027393015	SL	5/10/10		Ethylene Glycol			
9	3027393017	SL	5/10/10		Ethylene Glycol			
10	3027393019	SL	5/10/10		Ethylene Glycol			
11	3027393021	SL	5/10/10		Ethylene Glycol			
12	3027393023	SL	5/10/10		Ethylene Glycol			

Special Requirements:

1006911-01-12

Subcontract Lab: Summit Environmental Technologies, Inc.  
Address: 3310 Win Street  
Cuyahoga Falls, OH 44223  
Phone: 330-253-8211

Analysis Authorized By:  
Acceptance of Terms By:  
Pace Agent Name Title  
Subcontract Lab Agent Title

Relinquished By: [Signature] 5/17/10  
(Signature & Affiliation) (Date) (Time)  
Relinquished By:  
(Signature & Affiliation) (Date) (Time)

Received By: [Signature] 5/12/10 11:00  
(Signature & Affiliation) (Date) (Time)  
Received By: [Signature]  
(Signature & Affiliation) (Date) (Time)

Comments:

ASR (C015-0 31July2007)

CABOT-EPA 006733

DIM0227454

DIM0227966

**Summit Environmental Technologies, Inc.  
Cooler Receipt Form**

Client: Pace Order Number: 1006911

Date Received: 5/12/10 Time Received: 10:10

Number of Coolers/Boxes: 1 N/A

Shipper: FEDEX UPS DHL Airborne US Postal Walk-in Pickup Other: \_\_\_\_\_

Packaging: Peanuts Bubble Wrap Paper Foam None Other: \_\_\_\_\_

Tape on cooler/box: Y N N/A

Custody Seals intact Y N N/A

C-O-C in plastic Y N N/A

Ice present Blue ice absent / melted N/A

Sample Temperature 2.00 °C N/A

C-O-C filled out properly Y N N/A

Samples in separate bags Y N N/A

Sample containers intact Y N N/A

\*If no, list broken sample(s): \_\_\_\_\_

Sample label(s) complete (ID, date, etc.) Y N N/A

Label(s) agree with C-O-C Y N N/A

Correct containers used Y N N/A

Sufficient sample received Y N N/A

Bubbles absent from 40 mL vials\*\* Y N N/A

\*\* Samples with bubbles less than the size of a pea are acceptable.

Was client contacted about samples Y N

Will client send new samples Y N

Client contact: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Logged in by: \_\_\_\_\_

Comments: \_\_\_\_\_



# Sample Condition Upon Receipt

Client Name: WKS

Project # 3027393

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other \_\_\_\_\_

Tracking #: 872650731798

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Optional
Proj. Due Date: _____
Proj. Name: _____

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other Box

Thermometer Used 3 5

Type of Ice: Wet Blue None

☒ Samples on ice, cooling process has begun

Cooler Temperature 5.9

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 5/17/10

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>3 day</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>SL</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, M-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

## Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: 5/12/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010

CABOT-EPA 006735



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

May 20, 2010

Mr. Jim Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

RE: Project: [REDACTED] 2H/4H-13  
Pace Project No.: 3027647

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

The samples were subcontracted to Summit Environmental, 3310 Win Street, Cuyahoga Falls, OH 44223 for Glycol analysis. Results of the analysis are reported on the Summit Environmental data tables.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com  
Project Manager

Enclosures

#### REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

## CERTIFICATIONS

Project ██████ 2H/4H-13  
Pace Project No : 3027647

### Pennsylvania Certification IDs

1638 Roseytown Road Suites 2,3&4 Greensburg, PA  
15601  
Wyoming Certification #: 8TMS-Q  
Wisconsin/PADEP Certification  
West Virginia Certification #: 143  
Washington Certification #: C1941  
Virginia Certification #: 00112  
Virgin Island/PADEP Certification  
Utah/NELAC Certification #: ANTE  
Texas/NELAC Certification #: T104704188-09 TX  
Tennessee Certification #: TN2867  
South Dakota Certification  
Puerto Rico Certification # PA01457  
Pennsylvania/NELAC Certification # 65-00282  
Oregon/NELAC Certification #: PA200002  
North Carolina Certification #: 42706  
New York/NELAC Certification #: 10888  
New Mexico Certification  
New Jersey/NELAC Certification #: PA 051  
New Hampshire/NELAC Certification # 2976  
Nevada Certification  
Montana Certification #: Cert 0082  
Missouri Certification #. 235

Michigan/PADEP Certification  
Massachusetts Certification #: M-PA1457  
Maryland Certification #: 308  
Maine Certification #: PA0091  
Louisiana/NELAC Certification #. LA080002  
Louisiana/NELAC Certification # 4086  
Kentucky Certification #: 90133  
Kansas/NELAC Certification #: E-10358  
Iowa Certification #: 391  
Indiana/PADEP Certification  
Illinois/PADEP Certification  
Idaho Certification  
Hawaii/PADEP Certification  
Guam/PADEP Certification  
Florida/NELAC Certification #: E87683  
Delaware Certification  
Connecticut Certification # PH 0694  
Colorado Certification  
California/NELAC Certification #. 04222CA  
Arkansas Certification  
Arizona Certification #: AZ0734  
Alabama Certification # 41590

## REPORT OF LABORATORY ANALYSIS

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(724)850-5600

### SAMPLE ANALYTE COUNT

Project. [REDACTED] 2H/4H-13  
Pace Project No.: 3027647

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027647001	HIB2H/4H-13	EPA 6010B	SAB	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
3027647002	HIB2H/4H-13 ASTM	SM 5540C	RAA	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project 2H/4H-13

Pace Project No.. 3027647

Sample: 2H/4H-13 Lab ID: 3027647001 Collected: 05/13/10 11:15 Received: 05/14/10 10 30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	9190	mg/kg	6.5	1	05/16/10 22:52	05/17/10 15:42	7429-90-5	
Antimony	ND	mg/kg	0.33	1	05/16/10 22:52	05/17/10 15:42	7440-36-0	
Arsenic	7.3	mg/kg	0.33	1	05/16/10 22:52	05/17/10 15:42	7440-38-2	
Barium	604	mg/kg	1.3	1	05/16/10 22:52	05/17/10 15:42	7440-39-3	
Beryllium	0.44	mg/kg	0.13	1	05/16/10 22:52	05/17/10 15:42	7440-41-7	
Boron	ND	mg/kg	3.3	1	05/16/10 22:52	05/17/10 15:42	7440-42-8	
Cadmium	ND	mg/kg	0.13	1	05/16/10 22:52	05/17/10 15:42	7440-43-9	
Calcium	1490	mg/kg	131	1	05/16/10 22:52	05/17/10 15:42	7440-70-2	
Chromium	11.4	mg/kg	0.33	1	05/16/10 22:52	05/17/10 15:42	7440-47-3	
Cobalt	11.9	mg/kg	0.65	1	05/16/10 22:52	05/17/10 15:42	7440-48-4	
Copper	5.1	mg/kg	0.65	1	05/16/10 22:52	05/17/10 15:42	7440-50-8	
Iron	18000	mg/kg	6.5	1	05/16/10 22:52	05/17/10 15:42	7439-89-6	
Lead	7.9	mg/kg	0.33	1	05/16/10 22:52	05/17/10 15:42	7439-92-1	
Magnesium	3520	mg/kg	32.7	1	05/16/10 22:52	05/17/10 15:42	7439-95-4	
Manganese	204	mg/kg	0.65	1	05/16/10 22:52	05/17/10 15:42	7439-96-5	
Molybdenum	ND	mg/kg	1.3	1	05/16/10 22:52	05/17/10 15:42	7439-98-7	
Nickel	17.3	mg/kg	1.3	1	05/16/10 22:52	05/17/10 15:42	7440-02-0	
Potassium	1160	mg/kg	32.7	1	05/16/10 22:52	05/17/10 15:42	7440-09-7	
Selenium	ND	mg/kg	0.33	1	05/16/10 22:52	05/17/10 15:42	7782-49-2	
Silver	0.14	mg/kg	0.13	1	05/16/10 22:52	05/17/10 15:42	7440-22-4	
Sodium	ND	mg/kg	327	1	05/16/10 22:52	05/17/10 15:42	7440-23-5	
Thallium	ND	mg/kg	1.3	1	05/16/10 22:52	05/17/10 15:42	7440-28-0	
Vanadium	10.1	mg/kg	0.65	1	05/16/10 22:52	05/17/10 15:42	7440-62-2	
Zinc	47.2	mg/kg	0.65	1	05/16/10 22:52	05/17/10 15:42	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.11	1	05/18/10 10:57	05/19/10 09:24	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	83-32-9	
Acenaphthylene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	208-96-8	
Anthracene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	120-12-7	
Azobenzene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	103-33-3	
Benzo(a)anthracene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	56-55-3	
Benzo(a)pyrene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	207-08-9	
Benzoic acid	ND	ug/kg	906	1	05/17/10 16:33	05/18/10 15:56	65-85-0	
Benzyl alcohol	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	100-51-6	
4-Bromophenyl/phenyl ether	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	101-55-3	
Butylbenzylphthalate	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	85-68-7	
Carbazole	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	59-50-7	
4-Chloroaniline	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	106-47-8	

Date: 05/20/2010 01:58 PM

## REPORT OF LABORATORY ANALYSIS

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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H-13

Pace Project No.: 3027647

Sample: 2H/4H-13 Lab ID: 3027647001 Collected: 05/13/10 11:15 Received: 05/14/10 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
			Analytical Method: EPA 8270 Preparation Method: EPA 3546					
bis(2-Chloroethoxy)methane	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	108-60-1	
2-Chloronaphthalene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	91-58-7	
2-Chlorophenol	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	7005-72-3	
Chrysene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	132-64-9	
Dibenzofuran	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	95-50-1	
1,2-Dichlorobenzene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	541-73-1	
1,3-Dichlorobenzene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	53-70-3	
1,4-Dichlorobenzene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	91-94-1	
3,3'-Dichlorobenzidine	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	120-83-2	
2,4-Dichlorophenol	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	84-66-2	
Diethylphthalate	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	105-67-9	
2,4-Dimethylphenol	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	131-11-3	
Dimethylphthalate	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	84-74-2	
Di-n-butylphthalate	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	534-52-1	
4,6-Dinitro-2-methylphenol	ND	ug/kg	906	1	05/17/10 16:33	05/18/10 15:56	51-28-5	
2,4-Dinitrophenol	ND	ug/kg	906	1	05/17/10 16:33	05/18/10 15:56	121-14-2	
2,4-Dinitrotoluene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	606-20-2	
2,6-Dinitrotoluene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	117-84-0	
Di-n-octylphthalate	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	117-81-7	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	206-44-0	
Fluoranthene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	86-73-7	
Fluorene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	87-68-3	
Hexachloro-1,3-butadiene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	118-74-1	
Hexachlorobenzene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	77-47-4	
Hexachlorocyclopentadiene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	67-72-1	
Hexachloroethane	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	193-39-5	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	78-59-1	
Isophorone	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	90-12-0	
1-Methylnaphthalene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	91-57-6	
2-Methylnaphthalene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	95-48-7	
2-Methylphenol(o-Cresol)	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56		
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	725	1	05/17/10 16:33	05/18/10 15:56		
Naphthalene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	91-20-3	
2-Nitroaniline	ND	ug/kg	906	1	05/17/10 16:33	05/18/10 15:56	88-74-4	
3-Nitroaniline	ND	ug/kg	906	1	05/17/10 16:33	05/18/10 15:56	99-09-2	
4-Nitroaniline	ND	ug/kg	906	1	05/17/10 16:33	05/18/10 15:56	100-01-6	
Nitrobenzene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	98-95-3	
2-Nitrophenol	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	88-75-5	
4-Nitrophenol	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	621-64-7	

Date: 05/20/2010 01:58 PM

## REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H-13

Pace Project No: 3027647

Sample: 2H/4H-13 Lab ID: 3027647001 Collected: 05/13/10 11:15 Received: 05/14/10 10:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	86-30-6	
Pentachlorophenol	ND	ug/kg	906	1	05/17/10 16:33	05/18/10 15:56	87-86-5	
Phenanthrene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	85-01-8	
Phenol	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	108-95-2	
Pyrene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	906	1	05/17/10 16:33	05/18/10 15:56	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	362	1	05/17/10 16:33	05/18/10 15:56	88-06-2	
Nitrobenzene-d5 (S)	75	%	35-114	1	05/17/10 16:33	05/18/10 15:56	4165-60-0	
2-Fluorobiphenyl (S)	87	%	43-116	1	05/17/10 16:33	05/18/10 15:56	321-60-8	
Terphenyl-d14 (S)	121	%	33-141	1	05/17/10 16:33	05/18/10 15:56	1718-51-0	
Phenol-d6 (S)	78	%	10-110	1	05/17/10 16:33	05/18/10 15:56	13127-88-3	
2-Fluorophenol (S)	84	%	21-110	1	05/17/10 16:33	05/18/10 15:56	367-12-4	
2,4,6-Tribromophenol (S)	74	%	10-123	1	05/17/10 16:33	05/18/10 15:56	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method EPA 8260

Acetone	21.8	ug/kg	8.9	1		05/18/10 14:10	67-64-1	
Benzene	ND	ug/kg	4.4	1		05/18/10 14:10	71-43-2	
Bromochloromethane	ND	ug/kg	4.4	1		05/18/10 14:10	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		05/18/10 14:10	75-27-4	
Bromoform	ND	ug/kg	4.4	1		05/18/10 14:10	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		05/18/10 14:10	74-83-9	
TOTAL BTEX	ND	ug/kg	26.6	1		05/18/10 14:10		
2-Butanone (MEK)	ND	ug/kg	8.9	1		05/18/10 14:10	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1		05/18/10 14:10	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		05/18/10 14:10	135-98-8	
Carbon disulfide	ND	ug/kg	4.4	1		05/18/10 14:10	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		05/18/10 14:10	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		05/18/10 14:10	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		05/18/10 14:10	75-00-3	
Chloroform	ND	ug/kg	4.4	1		05/18/10 14:10	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		05/18/10 14:10	74-87-3	
Dibromochloromethane	ND	ug/kg	4.4	1		05/18/10 14:10	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		05/18/10 14:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		05/18/10 14:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		05/18/10 14:10	106-46-7	
1,1-Dichloroethane	ND	ug/kg	4.4	1		05/18/10 14:10	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		05/18/10 14:10	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	8.9	1		05/18/10 14:10	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.4	1		05/18/10 14:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		05/18/10 14:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		05/18/10 14:10	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		05/18/10 14:10	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		05/18/10 14:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		05/18/10 14:10	10061-02-6	

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CABOT-EPA 006741



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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H-13  
Pace Project No.: 3027647

Sample: 2H/4H-13 Lab ID: 3027647001 Collected: 05/13/10 11:15 Received: 05/14/10 10:30 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	ND	ug/kg	4.4	1		05/18/10 14:10	100-41-4	
2-Hexanone	ND	ug/kg	8.9	1		05/18/10 14:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		05/18/10 14:10	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		05/18/10 14:10	99-87-6	
Methylene Chloride	ND	ug/kg	4.4	1		05/18/10 14:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	8.9	1		05/18/10 14:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		05/18/10 14:10	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		05/18/10 14:10	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		05/18/10 14:10	103-65-1	
Styrene	ND	ug/kg	4.4	1		05/18/10 14:10	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		05/18/10 14:10	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		05/18/10 14:10	127-18-4	
Toluene	ND	ug/kg	4.4	1		05/18/10 14:10	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		05/18/10 14:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		05/18/10 14:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		05/18/10 14:10	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		05/18/10 14:10	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		05/18/10 14:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		05/18/10 14:10	108-67-8	
Vinyl chloride	ND	ug/kg	4.4	1		05/18/10 14:10	75-01-4	
Xylene (Total)	ND	ug/kg	13.3	1		05/18/10 14:10	1330-20-7	
m&p-Xylene	ND	ug/kg	8.9	1		05/18/10 14:10	179601-23-1	
o-Xylene	ND	ug/kg	4.4	1		05/18/10 14:10	95-47-6	
Toluene-d8 (S)	95	%	70-130	1		05/18/10 14:10	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130	1		05/18/10 14:10	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		05/18/10 14:10	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-07						
Percent Moisture	10	%	0.10	1		05/14/10 16:02		
<b>350.1 Ammonia</b>		Analytical Method: EPA 350.1						
Nitrogen, Ammonia	21.8	mg/kg	5.5	1		05/19/10 11:56	7664-41-7	

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(724)850-6600

### ANALYTICAL RESULTS

Project. 2H/4H-13  
Pace Project No.: 3027647

Sample: 2H/4H-13 ASTM		Lab ID: 3027647002	Collected: 05/13/10 11:15		Received: 05/14/10 10:30		Matrix: Water		
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
5540C MBAS Surfactants		Analytical Method: SM 5540C							
Surfactants	ND mg/L		0.10	1		05/19/10 11:30			2c
4500 Chloride		Analytical Method: SM 4500-Cl-E							
Chloride	ND mg/L		3.0	1		05/19/10 13:50	16887-00-6		

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### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No.: 3027647

QC Batch:	MPRP/3844	Analysis Method:	EPA 6010B
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples:	3027647001		

METHOD BLANK: 170968 Matrix: Solid  
Associated Lab Samples: 3027647001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	05/17/10 15:29	
Antimony	mg/kg	ND	0.50	05/17/10 15:29	
Arsenic	mg/kg	ND	0.50	05/17/10 15:29	
Barium	mg/kg	ND	2.0	05/17/10 15:29	
Beryllium	mg/kg	ND	0.20	05/17/10 15:29	
Boron	mg/kg	ND	5.0	05/17/10 15:29	
Cadmium	mg/kg	ND	0.20	05/17/10 15:29	
Calcium	mg/kg	ND	200	05/17/10 15:29	
Chromium	mg/kg	ND	0.50	05/17/10 15:29	
Cobalt	mg/kg	ND	1.0	05/17/10 15:29	
Copper	mg/kg	ND	1.0	05/17/10 15:29	
Iron	mg/kg	ND	10.0	05/17/10 15:29	
Lead	mg/kg	ND	0.50	05/17/10 15:29	
Magnesium	mg/kg	ND	50.0	05/17/10 15:29	
Manganese	mg/kg	ND	1.0	05/17/10 15:29	
Molybdenum	mg/kg	ND	2.0	05/17/10 15:29	
Nickel	mg/kg	ND	2.0	05/17/10 15:29	
Potassium	mg/kg	ND	50.0	05/17/10 15:29	
Selenium	mg/kg	ND	0.50	05/17/10 15:29	
Silver	mg/kg	ND	0.20	05/17/10 15:29	
Sodium	mg/kg	ND	500	05/17/10 15:29	
Thallium	mg/kg	ND	2.0	05/17/10 15:29	
Vanadium	mg/kg	ND	1.0	05/17/10 15:29	
Zinc	mg/kg	ND	1.0	05/17/10 15:29	

LABORATORY CONTROL SAMPLE: 170969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	473	95	80-120	
Antimony	mg/kg	50	45.3	91	80-120	
Arsenic	mg/kg	50	44.5	89	80-120	
Barium	mg/kg	50	48.0	96	80-120	
Beryllium	mg/kg	50	48.2	96	80-120	
Boron	mg/kg	50	44.0	88	80-120	
Cadmium	mg/kg	50	45.4	91	80-120	
Calcium	mg/kg	500	474	95	80-120	
Chromium	mg/kg	50	48.9	98	80-120	
Cobalt	mg/kg	50	46.0	92	80-120	
Copper	mg/kg	50	47.3	95	80-120	
Iron	mg/kg	500	474	95	80-120	
Lead	mg/kg	50	44.2	88	80-120	

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### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No: 3027647

LABORATORY CONTROL SAMPLE: 170969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	mg/kg	500	454	91	80-120	
Manganese	mg/kg	50	47.4	95	80-120	
Molybdenum	mg/kg	50	47.1	94	80-120	
Nickel	mg/kg	50	47.6	95	80-120	
Potassium	mg/kg	500	485	97	80-120	
Selenium	mg/kg	50	42.8	86	80-120	
Silver	mg/kg	25	23.4	94	80-120	
Sodium	mg/kg	500	473J	95	80-120	
Thallium	mg/kg	50	42.3	85	80-120	
Vanadium	mg/kg	50	48.5	97	80-120	
Zinc	mg/kg	50	46.8	94	80-120	

MATRIX SPIKE SAMPLE: 170971

Parameter	Units	3027647001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	9190	347	10100	272	80-120	M0
Antimony	mg/kg	ND	34.7	16.5	47	80-120	M0
Arsenic	mg/kg	7.3	34.7	41.5	98	80-120	
Barium	mg/kg	604	34.7	224	-1100	80-120	M0
Beryllium	mg/kg	0.44	34.7	31.5	89	80-120	
Boron	mg/kg	ND	34.7	29.6	81	80-120	
Cadmium	mg/kg	ND	34.7	29.3	84	80-120	
Calcium	mg/kg	1490	347	1890	115	80-120	
Chromium	mg/kg	11.4	34.7	41.6	87	80-120	
Cobalt	mg/kg	11.9	34.7	49.9	109	80-120	
Copper	mg/kg	5.1	34.7	34.5	85	80-120	
Iron	mg/kg	18000	347	18800	232	80-120	M0
Lead	mg/kg	7.9	34.7	33.7	74	80-120	M0
Magnesium	mg/kg	3520	347	3970	131	80-120	M0
Manganese	mg/kg	204	34.7	262	168	80-120	M0
Molybdenum	mg/kg	ND	34.7	37.1	106	80-120	
Nickel	mg/kg	17.3	34.7	47.0	86	80-120	
Potassium	mg/kg	1160	347	1410	73	80-120	M0
Selenium	mg/kg	ND	34.7	26.8	77	80-120	M0
Silver	mg/kg	0.14	17.3	15.5	88	80-120	
Sodium	mg/kg	ND	347	485	88	80-120	
Thallium	mg/kg	ND	34.7	27.7	80	80-120	
Vanadium	mg/kg	10.1	34.7	39.8	86	80-120	
Zinc	mg/kg	47.2	34.7	74.2	78	80-120	M0

SAMPLE DUPLICATE: 170970

Parameter	Units	3027647001 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	9190	10100	9	
Antimony	mg/kg	ND	ND		

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### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No.: 3027647

SAMPLE DUPLICATE: 170970

Parameter	Units	3027647001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	7.3	12.7	54	D6
Barium	mg/kg	604	336	57	D6
Beryllium	mg/kg	0.44	0.62	35	D6
Boron	mg/kg	ND	ND		
Cadmium	mg/kg	ND	ND		
Calcium	mg/kg	1490	1560	5	
Chromium	mg/kg	11.4	12.1	6	
Cobalt	mg/kg	11.9	13.2	10	
Copper	mg/kg	5.1	4.4	15	
Iron	mg/kg	18000	21100	16	
Lead	mg/kg	7.9	5.0	45	D6
Magnesium	mg/kg	3520	4040	14	
Manganese	mg/kg	204	230	12	
Molybdenum	mg/kg	ND	ND		
Nickel	mg/kg	17.3	20.3	16	
Potassium	mg/kg	1160	1140	2	
Selenium	mg/kg	ND	ND		
Silver	mg/kg	0.14	.13J		
Sodium	mg/kg	ND	202J		
Thallium	mg/kg	ND	ND		
Vanadium	mg/kg	10.1	10.6	5	
Zinc	mg/kg	47.2	50.4	7	



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### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No.: 3027647

QC Batch:	MERP/1921	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
Associated Lab Samples:	3027647001		

METHOD BLANK: 171363 Matrix: Solid  
Associated Lab Samples: 3027647001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.10	05/19/10 09.21	

LABORATORY CONTROL SAMPLE: 171364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.042	.037J	89	85-115	

MATRIX SPIKE SAMPLE: 171366

Parameter	Units	3027647001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.11	0.12	98	75-125	

SAMPLE DUPLICATE: 171365

Parameter	Units	3027647001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	ND	.0061J		

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### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No : 3027647

QC Batch:	OEXT/4910	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave
Associated Lab Samples:	3027647001		

METHOD BLANK: 171088 Matrix: Solid  
Associated Lab Samples: 3027647001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	333	05/18/10 15:11	
1,2-Dichlorobenzene	ug/kg	ND	333	05/18/10 15:11	
1,3-Dichlorobenzene	ug/kg	ND	333	05/18/10 15:11	
1,4-Dichlorobenzene	ug/kg	ND	333	05/18/10 15:11	
2,4,5-Trichlorophenol	ug/kg	ND	833	05/18/10 15:11	
2,4,6-Trichlorophenol	ug/kg	ND	333	05/18/10 15:11	
2,4-Dichlorophenol	ug/kg	ND	333	05/18/10 15:11	
2,4-Dimethylphenol	ug/kg	ND	333	05/18/10 15:11	
2,4-Dinitrophenol	ug/kg	ND	833	05/18/10 15:11	
2,4-Dinitrotoluene	ug/kg	ND	333	05/18/10 15:11	
2,6-Dinitrotoluene	ug/kg	ND	333	05/18/10 15:11	
2-Chloronaphthalene	ug/kg	ND	333	05/18/10 15:11	
2-Chlorophenol	ug/kg	ND	333	05/18/10 15:11	
2-Methylnaphthalene	ug/kg	ND	333	05/18/10 15:11	
2-Methylphenol(o-Cresol)	ug/kg	ND	333	05/18/10 15:11	
2-Nitroaniline	ug/kg	ND	833	05/18/10 15:11	
2-Nitrophenol	ug/kg	ND	333	05/18/10 15:11	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	666	05/18/10 15:11	
3,3'-Dichlorobenzidine	ug/kg	ND	333	05/18/10 15:11	
3-Nitroaniline	ug/kg	ND	833	05/18/10 15:11	
4,6-Dinitro-2-methylphenol	ug/kg	ND	833	05/18/10 15:11	
4-Bromophenylphenyl ether	ug/kg	ND	333	05/18/10 15:11	
4-Chloro-3-methylphenol	ug/kg	ND	333	05/18/10 15:11	
4-Chloroaniline	ug/kg	ND	333	05/18/10 15:11	
4-Chlorophenylphenyl ether	ug/kg	ND	333	05/18/10 15:11	
4-Nitroaniline	ug/kg	ND	833	05/18/10 15:11	
4-Nitrophenol	ug/kg	ND	333	05/18/10 15:11	
Acenaphthene	ug/kg	ND	333	05/18/10 15:11	
Acenaphthylene	ug/kg	ND	333	05/18/10 15:11	
Anthracene	ug/kg	ND	333	05/18/10 15:11	
Benzo(a)anthracene	ug/kg	ND	333	05/18/10 15:11	
Benzo(a)pyrene	ug/kg	ND	333	05/18/10 15:11	
Benzo(b)fluoranthene	ug/kg	ND	333	05/18/10 15:11	
Benzo(g,h,i)perylene	ug/kg	ND	333	05/18/10 15:11	
Benzo(k)fluoranthene	ug/kg	ND	333	05/18/10 15:11	
Benzyl alcohol	ug/kg	ND	333	05/18/10 15:11	
bis(2-Chloroethoxy)methane	ug/kg	ND	333	05/18/10 15:11	
bis(2-Chloroethyl) ether	ug/kg	ND	333	05/18/10 15:11	
bis(2-Chloroisopropyl) ether	ug/kg	ND	333	05/18/10 15:11	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	333	05/18/10 15:11	
Butylbenzylphthalate	ug/kg	ND	333	05/18/10 15:11	
Chrysene	ug/kg	ND	333	05/18/10 15:11	
Di-n-butylphthalate	ug/kg	ND	333	05/18/10 15:11	

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(724)850-5600

### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No: 3027647

METHOD BLANK: 171088

Matrix: Solid

Associated Lab Samples: 3027647001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Di-n-octylphthalate	ug/kg	ND	333	05/18/10 15:11	
Dibenz(a,h)anthracene	ug/kg	ND	333	05/18/10 15:11	
Dibenzofuran	ug/kg	ND	333	05/18/10 15:11	
Diethylphthalate	ug/kg	ND	333	05/18/10 15:11	
Dimethylphthalate	ug/kg	ND	333	05/18/10 15:11	
Fluoranthene	ug/kg	ND	333	05/18/10 15:11	
Fluorene	ug/kg	ND	333	05/18/10 15:11	
Hexachloro-1,3-butadiene	ug/kg	ND	333	05/18/10 15:11	
Hexachlorobenzene	ug/kg	ND	333	05/18/10 15:11	
Hexachlorocyclopentadiene	ug/kg	ND	333	05/18/10 15:11	
Hexachloroethane	ug/kg	ND	333	05/18/10 15:11	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	333	05/18/10 15:11	
Isophorone	ug/kg	ND	333	05/18/10 15:11	
N-Nitroso-di-n-propylamine	ug/kg	ND	333	05/18/10 15:11	
N-Nitrosodiphenylamine	ug/kg	ND	333	05/18/10 15:11	
Naphthalene	ug/kg	ND	333	05/18/10 15:11	
Nitrobenzene	ug/kg	ND	333	05/18/10 15:11	
Pentachlorophenol	ug/kg	ND	833	05/18/10 15:11	
Phenanthrene	ug/kg	ND	333	05/18/10 15:11	
Phenol	ug/kg	ND	333	05/18/10 15:11	
Pyrene	ug/kg	ND	333	05/18/10 15:11	
2,4,6-Tribromophenol (S)	%	80	10-123	05/18/10 15:11	
2-Fluorobiphenyl (S)	%	81	43-116	05/18/10 15:11	
2-Fluorophenol (S)	%	83	21-110	05/18/10 15:11	
Nitrobenzene-d5 (S)	%	75	35-114	05/18/10 15:11	
Phenol-d6 (S)	%	79	10-110	05/18/10 15:11	
Terphenyl-d14 (S)	%	116	33-141	05/18/10 15:11	

LABORATORY CONTROL SAMPLE: 171089

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	2910	87	43-120	
1,2-Dichlorobenzene	ug/kg		ND			
1,3-Dichlorobenzene	ug/kg		ND			
1,4-Dichlorobenzene	ug/kg	3330	2610	78	37-118	
2,4,5-Trichlorophenol	ug/kg		ND			
2,4,6-Trichlorophenol	ug/kg		ND			
2,4-Dichlorophenol	ug/kg		ND			
2,4-Dimethylphenol	ug/kg		ND			
2,4-Dinitrophenol	ug/kg		ND			
2,4-Dinitrotoluene	ug/kg	3330	2750	83	34-115	
2,6-Dinitrotoluene	ug/kg		ND			
2-Chloronaphthalene	ug/kg		ND			
2-Chlorophenol	ug/kg	3330	2980	90	40-140	
2-Methylnaphthalene	ug/kg	3330	2700	81	40-140	

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### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006749



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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No.: 3027647

LABORATORY CONTROL SAMPLE: 171089

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylphenol(o-Cresol)	ug/kg		ND			
2-Nitroaniline	ug/kg		ND			
2-Nitrophenol	ug/kg		ND			
3&4-Methylphenol(m&p Cresol)	ug/kg		ND			
3,3'-Dichlorobenzidine	ug/kg		ND			
3-Nitroaniline	ug/kg		ND			
4,6-Dinitro-2-methylphenol	ug/kg		ND			
4-Bromophenylphenyl ether	ug/kg		ND			
4-Chloro-3-methylphenol	ug/kg	3330	2900	87	42-130	
4-Chloroaniline	ug/kg		ND			
4-Chlorophenylphenyl ether	ug/kg		ND			
4-Nitroaniline	ug/kg		ND			
4-Nitrophenol	ug/kg	3330	2260	68	27-125	
Acenaphthene	ug/kg	3330	2930	88	48-114	
Acenaphthylene	ug/kg	3330	3080	92	40-140	
Anthracene	ug/kg	3330	3200	96	40-140	
Benzo(a)anthracene	ug/kg	3330	3200	96	40-140	
Benzo(a)pyrene	ug/kg	3330	3140	94	40-140	
Benzo(b)fluoranthene	ug/kg	3330	3270	98	40-140	
Benzo(g,h,i)perylene	ug/kg	3330	3230	97	40-140	
Benzo(k)fluoranthene	ug/kg	3330	3160	95	40-140	
Benzyl alcohol	ug/kg		ND			
bis(2-Chloroethoxy)methane	ug/kg		ND			
bis(2-Chloroethyl) ether	ug/kg		ND			
bis(2-Chloroisopropyl) ether	ug/kg		ND			
bis(2-Ethylhexyl)phthalate	ug/kg		ND			
Butylbenzylphthalate	ug/kg		ND			
Chrysene	ug/kg	3330	3070	92	40-140	
Di-n-butylphthalate	ug/kg		ND			
Di-n-octylphthalate	ug/kg		ND			
Dibenz(a,h)anthracene	ug/kg	3330	3140	94	40-140	
Dibenzofuran	ug/kg		ND			
Diethylphthalate	ug/kg		ND			
Dimethylphthalate	ug/kg		ND			
Fluoranthene	ug/kg	3330	3030	91	40-140	
Fluorene	ug/kg	3330	3090	93	40-140	
Hexachloro-1,3-butadiene	ug/kg		ND			
Hexachlorobenzene	ug/kg		ND			
Hexachlorocyclopentadiene	ug/kg		ND			
Hexachloroethane	ug/kg		ND			
Indeno(1,2,3-cd)pyrene	ug/kg	3330	3190	96	40-140	
Isophorone	ug/kg		ND			
N-Nitroso-di-n-propylamine	ug/kg	3330	3260	98	43-126	
N-Nitrosodiphenylamine	ug/kg		ND			
Naphthalene	ug/kg	3330	2840	85	40-140	
Nitrobenzene	ug/kg		ND			
Pentachlorophenol	ug/kg	3330	2450	73	14-127	
Phenanthrene	ug/kg	3330	3040	91	40-140	

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(724)850-5600

### QUALITY CONTROL DATA

Project 2H/4H-13  
Pace Project No.: 3027647

LABORATORY CONTROL SAMPLE: 171089

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenol	ug/kg	3330	2800	84	39-120	
Pyrene	ug/kg	3330	3460	104	43-135	
2,4,6-Tribromophenol (S)	%			95	10-123	
2-Fluorobiphenyl (S)	%			85	43-116	
2-Fluorophenol (S)	%			80	21-110	
Nitrobenzene-d5 (S)	%			69	35-114	
Phenol-d6 (S)	%			86	10-110	
Terphenyl-d14 (S)	%			116	33-141	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 171090 171091

Parameter	Units	3027647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	3590	3670	3180	3380	89	92	43-120	6	
1,2-Dichlorobenzene	ug/kg	ND			ND	ND					
1,3-Dichlorobenzene	ug/kg	ND			ND	ND					
1,4-Dichlorobenzene	ug/kg	ND	3590	3670	2970	3030	83	83	37-118	2	
2,4,5-Trichlorophenol	ug/kg	ND			ND	ND					
2,4,6-Trichlorophenol	ug/kg	ND			ND	ND					
2,4-Dichlorophenol	ug/kg	ND			ND	ND					
2,4-Dimethylphenol	ug/kg	ND			ND	ND					
2,4-Dinitrophenol	ug/kg	ND			ND	ND					
2,4-Dinitrotoluene	ug/kg	ND	3590	3670	2600	3140	72	86	34-115	19 R1	
2,6-Dinitrotoluene	ug/kg	ND			ND	ND					
2-Chloronaphthalene	ug/kg	ND			ND	ND					
2-Chlorophenol	ug/kg	ND	3590	3670	3400	3440	95	94	40-140	1	
2-Methylnaphthalene	ug/kg	ND	3590	3670	2930	3120	82	85	40-140	6	
2-Methylphenol(o-Cresol)	ug/kg	ND			ND	ND					
2-Nitroaniline	ug/kg	ND			ND	ND					
2-Nitrophenol	ug/kg	ND			ND	ND					
3&4-Methylphenol(m&p Cresol)	ug/kg	ND			ND	ND					
3,3'-Dichlorobenzidine	ug/kg	ND			ND	ND					
3-Nitroaniline	ug/kg	ND			ND	ND					
4,6-Dinitro-2-methylphenol	ug/kg	ND			ND	ND					
4-Bromophenylphenyl ether	ug/kg	ND			ND	ND					
4-Chloro-3-methylphenol	ug/kg	ND	3590	3670	3200	3210	89	87	42-130	.3	
4-Chloroaniline	ug/kg	ND			ND	ND					
4-Chlorophenylphenyl ether	ug/kg	ND			ND	ND					
4-Nitroaniline	ug/kg	ND			ND	ND					
4-Nitrophenol	ug/kg	ND	3590	3670	2230	2200	62	60	27-125	2	
Acenaphthene	ug/kg	ND	3590	3670	3310	3360	92	92	48-114	1	
Acenaphthylene	ug/kg	ND	3590	3670	3460	3540	96	97	40-140	2	
Anthracene	ug/kg	ND	3590	3670	3570	3710	99	101	40-140	4	
Benzo(a)anthracene	ug/kg	ND	3590	3670	3490	3500	97	96	40-140	.4	
Benzo(a)pyrene	ug/kg	ND	3590	3670	3570	3690	99	101	40-140	3	
Benzo(b)fluoranthene	ug/kg	ND	3590	3670	3650	3790	102	103	40-140	4	

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(724)850-5600

### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No.: 3027647

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 171090 171091											
Parameter	Units	3027647001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzo(g,h,i)perylene	ug/kg	ND	3590	3670	3520	3300	98	90	40-140	7	
Benzo(k)fluoranthene	ug/kg	ND	3590	3670	3750	3900	104	106	40-140	4	
Benzyl alcohol	ug/kg	ND			ND	ND					
bis(2-Chloroethoxy)methane	ug/kg	ND			ND	ND					
bis(2-Chloroethyl) ether	ug/kg	ND			ND	ND					
bis(2-Chloroisopropyl) ether	ug/kg	ND			ND	ND					
bis(2-Ethylhexyl)phthalate	ug/kg	ND			ND	ND					
Butylbenzylphthalate	ug/kg	ND			ND	ND					
Chrysene	ug/kg	ND	3590	3670	3430	3550	96	97	40-140	3	
Di-n-butylphthalate	ug/kg	ND			ND	ND					
Di-n-octylphthalate	ug/kg	ND			ND	ND					
Dibenz(a,h)anthracene	ug/kg	ND	3590	3670	3370	3220	94	88	40-140	5	
Dibenzofuran	ug/kg	ND			ND	ND					
Diethylphthalate	ug/kg	ND			ND	ND					
Dimethylphthalate	ug/kg	ND			ND	ND					
Fluoranthene	ug/kg	ND	3590	3670	3450	3530	96	96	40-140	2	
Fluorene	ug/kg	ND	3590	3670	3510	3540	98	97	40-140	1	
Hexachloro-1,3-butadiene	ug/kg	ND			ND	ND					
Hexachlorobenzene	ug/kg	ND			ND	ND					
Hexachlorocyclopentadiene	ug/kg	ND			ND	ND					
Hexachloroethane	ug/kg	ND			ND	ND					
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3590	3670	3560	3210	99	88	40-140	10	
Isophorone	ug/kg	ND			ND	ND					
N-Nitroso-di-n-propylamine	ug/kg	ND	3590	3670	3640	3740	101	102	43-126	3	
N-Nitrosodiphenylamine	ug/kg	ND			ND	ND					
Naphthalene	ug/kg	ND	3590	3670	3120	3370	87	92	40-140	8	
Nitrobenzene	ug/kg	ND			ND	ND					
Pentachlorophenol	ug/kg	ND	3590	3670	2250	2060	63	56	14-127	9	
Phenanthrene	ug/kg	ND	3590	3670	3390	3500	94	95	40-140	3	
Phenol	ug/kg	ND	3590	3670	3140	3270	87	89	39-120	4	
Pyrene	ug/kg	ND	3590	3670	3840	3910	107	107	43-135	2	
2,4,6-Tribromophenol (S)	%						93	94	10-123		
2-Fluorobiphenyl (S)	%						89	88	43-116		
2-Fluorophenol (S)	%						81	80	21-110		
Nitrobenzene-d5 (S)	%						80	79	35-114		
Phenol-d6 (S)	%						88	88	10-110		
Terphenyl-d 14 (S)	%						118	117	33-141		

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(724)850-5600

## QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No.: 3027647

QC Batch:	MSV/5837	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035 Low
Associated Lab Samples:	3027647001		

METHOD BLANK: 171195 Matrix: Solid  
Associated Lab Samples: 3027647001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/18/10 13:24	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/18/10 13:24	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/18/10 13:24	
1,1-Dichloroethane	ug/kg	ND	5.0	05/18/10 13:24	
1,1-Dichloroethene	ug/kg	ND	5.0	05/18/10 13:24	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/18/10 13:24	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/18/10 13:24	
1,2-Dichloroethane	ug/kg	ND	5.0	05/18/10 13:24	
1,2-Dichloropropane	ug/kg	ND	5.0	05/18/10 13:24	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/18/10 13:24	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/18/10 13:24	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/18/10 13:24	
2-Butanone (MEK)	ug/kg	ND	10.0	05/18/10 13:24	
2-Hexanone	ug/kg	ND	10.0	05/18/10 13:24	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/18/10 13:24	
Acetone	ug/kg	ND	10.0	05/18/10 13:24	
Benzene	ug/kg	ND	5.0	05/18/10 13:24	
Bromodichloromethane	ug/kg	ND	5.0	05/18/10 13:24	
Bromoform	ug/kg	ND	5.0	05/18/10 13:24	
Bromomethane	ug/kg	ND	5.0	05/18/10 13:24	
Carbon disulfide	ug/kg	ND	5.0	05/18/10 13:24	
Carbon tetrachloride	ug/kg	ND	5.0	05/18/10 13:24	
Chlorobenzene	ug/kg	ND	5.0	05/18/10 13:24	
Chloroethane	ug/kg	ND	5.0	05/18/10 13:24	
Chloroform	ug/kg	ND	5.0	05/18/10 13:24	
Chloromethane	ug/kg	ND	5.0	05/18/10 13:24	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/18/10 13:24	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/18/10 13:24	
Dibromochloromethane	ug/kg	ND	5.0	05/18/10 13:24	
Ethylbenzene	ug/kg	ND	5.0	05/18/10 13:24	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/18/10 13:24	
m&p-Xylene	ug/kg	ND	10.0	05/18/10 13:24	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/18/10 13:24	
Methylene Chloride	ug/kg	ND	5.0	05/18/10 13:24	
n-Butylbenzene	ug/kg	ND	5.0	05/18/10 13:24	
n-Propylbenzene	ug/kg	ND	5.0	05/18/10 13:24	
Naphthalene	ug/kg	ND	5.0	05/18/10 13:24	
o-Xylene	ug/kg	ND	5.0	05/18/10 13:24	
p-Isopropyltoluene	ug/kg	ND	5.0	05/18/10 13:24	
sec-Butylbenzene	ug/kg	ND	5.0	05/18/10 13:24	
Styrene	ug/kg	ND	5.0	05/18/10 13:24	
Tetrachloroethene	ug/kg	ND	5.0	05/18/10 13:24	
Toluene	ug/kg	ND	5.0	05/18/10 13:24	

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### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No.: 3027647

METHOD BLANK: 171195

Matrix: Solid

Associated Lab Samples: 3027647001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TOTAL BTEX	ug/kg	ND	30.0	05/18/10 13:24	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/18/10 13:24	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/18/10 13:24	
Trichloroethene	ug/kg	ND	5.0	05/18/10 13:24	
Vinyl chloride	ug/kg	ND	5.0	05/18/10 13:24	
Xylene (Total)	ug/kg	ND	15.0	05/18/10 13:24	
1,2-Dichloroethane-d4 (S)	%	91	70-130	05/18/10 13:24	
4-Bromofluorobenzene (S)	%	96	70-130	05/18/10 13:24	
Toluene-d8 (S)	%	93	70-130	05/18/10 13:24	

LABORATORY CONTROL SAMPLE: 171196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	20	19.9	100	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	20	18.6	93	70-130	
1,1,2-Trichloroethane	ug/kg	20	19.9	100	70-130	
1,1-Dichloroethane	ug/kg	20	20.3	102	70-130	
1,1-Dichloroethene	ug/kg	20	16.1	81	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	21.6	108	70-130	
1,2-Dichlorobenzene	ug/kg	20	20.3	102	70-130	
1,2-Dichloroethane	ug/kg	20	19.3	96	70-130	
1,2-Dichloropropane	ug/kg	20	19.2	96	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	20.4	102	70-130	
1,3-Dichlorobenzene	ug/kg	20	20.6	103	70-130	
1,4-Dichlorobenzene	ug/kg	20	20.9	105	70-130	
2-Butanone (MEK)	ug/kg	20	21.4	107	70-130	
2-Hexanone	ug/kg	20	18.6	93	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	19.2	96	70-130	
Acetone	ug/kg	20	26.8	134	70-130 LO	
Benzene	ug/kg	20	21.2	106	70-130	
Bromodichloromethane	ug/kg	20	18.8	94	70-130	
Bromoform	ug/kg	20	17.5	88	70-130	
Bromomethane	ug/kg	20	20.8	104	70-130	
Carbon disulfide	ug/kg	20	26.3	131	70-130 LO	
Carbon tetrachloride	ug/kg	20	19.9	99	70-130	
Chlorobenzene	ug/kg	20	21.4	107	70-130	
Chloroethane	ug/kg	20	20.9	104	70-130	
Chloroform	ug/kg	20	20.2	101	70-130	
Chloromethane	ug/kg	20	11.6	58	70-130 LO	
cis-1,2-Dichloroethene	ug/kg	20	19.8	99	70-130	
cis-1,3-Dichloropropene	ug/kg	20	18.8	94	70-130	
Dibromochloromethane	ug/kg	20	18.8	94	70-130	
Ethylbenzene	ug/kg	20	22.1	111	70-130	
Isopropylbenzene (Cumene)	ug/kg	20	21.0	105	70-130	
m&p-Xylene	ug/kg	40	45.1	113	70-130	

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### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No.: 3027647

LABORATORY CONTROL SAMPLE: 171196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/kg	20	20.9	104	70-130	
Methylene Chloride	ug/kg	20	19.7	98	70-130	
n-Butylbenzene	ug/kg	20	20.7	104	70-130	
n-Propylbenzene	ug/kg	20	20.9	105	70-130	
Naphthalene	ug/kg	20	20.4	102	70-130	
o-Xylene	ug/kg	20	21.4	107	70-130	
p-Isopropyltoluene	ug/kg	20	20.9	104	70-130	
sec-Butylbenzene	ug/kg	20	20.7	103	70-130	
Styrene	ug/kg	20	20.2	101	70-130	
Tetrachloroethene	ug/kg	20	21.0	105	70-130	
Toluene	ug/kg	20	21.1	105	70-130	
TOTAL BTEX	ug/kg		131			
trans-1,2-Dichloroethene	ug/kg	20	19.4	97	70-130	
trans-1,3-Dichloropropene	ug/kg	20	18.7	93	70-130	
Trichloroethene	ug/kg	20	21.0	105	70-130	
Vinyl chloride	ug/kg	20	16.7	83	70-130	
Xylene (Total)	ug/kg	60	66.5	111	70-130	
1,2-Dichloroethane-d4 (S)	%			89	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			95	70-130	

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(724)850-5600

### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No.: 3027647

QC Batch:	PMST/1850	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weigh/Percent Moisture
Associated Lab Samples:	3027647001		

SAMPLE DUPLICATE: 170460

Parameter	Units	3027432001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	11.6	11.5	.7	

SAMPLE DUPLICATE: 170461

Parameter	Units	3027432002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	11.4	11.2	2	

Date: 05/20/2010 01:58 PM

### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006756



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No.: 3027647

QC Batch:	WET/5627	Analysis Method:	SM 5540C
QC Batch Method:	SM 5540C	Analysis Description:	5540C MBAS Surfactants
Associated Lab Samples:	3027647002		

METHOD BLANK: 171547 Matrix: Water  
Associated Lab Samples: 3027647002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.10	05/19/10 11:30	

METHOD BLANK: 171548 Matrix: Water  
Associated Lab Samples: 3027647002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.10	05/19/10 11:30	

LABORATORY CONTROL SAMPLE: 171549

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	1	0.93	93	85-115	SU

MATRIX SPIKE SAMPLE: 171826

Parameter	Units	3027861001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	ND	1	1.1	102	85-115	

SAMPLE DUPLICATE: 171825

Parameter	Units	3027647002 Result	Dup Result	RPD	Qualifiers
Surfactants	mg/L	ND	ND	2c	

Date: 05/20/2010 01:58 PM

### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006757

### QUALITY CONTROL DATA

Project: 2H/4H-13  
Pace Project No.: 3027647

QC Batch:	WETA/4255	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia
Associated Lab Samples:	3027647001		

METHOD BLANK: 171828      Matrix: Solid  
Associated Lab Samples 3027647001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/kg	ND	4.9	05/19/10 11:54	

LABORATORY CONTROL SAMPLE: 171829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/kg	160	151	94	85-115	

MATRIX SPIKE SAMPLE: 171831

Parameter	Units	3027647001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/kg	21.8	163	166	88	85-115	

SAMPLE DUPLICATE: 171830

Parameter	Units	3027647001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/kg	21.8	12.7	53 R1	



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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project **2H/4H-13**  
Pace Project No. 3027647

QC Batch:	WETA/4259	Analysis Method	SM 4500-Cl-E
QC Batch Method:	SM 4500-Cl-E	Analysis Description:	4500 Chloride
Associated Lab Samples: 3027647002			

METHOD BLANK: 171962 Matrix: Water  
Associated Lab Samples: 3027647002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	05/19/10 13 49	

METHOD BLANK: 172015 Matrix: Water  
Associated Lab Samples: 3027647002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	05/19/10 00 00	1c

METHOD BLANK: 172016 Matrix: Water  
Associated Lab Samples: 3027647002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	05/19/10 00:00	1c

LABORATORY CONTROL SAMPLE: 171963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	39.9	100	85-115	

MATRIX SPIKE SAMPLE: 171964

Parameter	Units	3027647002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	ND	20	18.3	83	85-115	M1

SAMPLE DUPLICATE: 171965

Parameter	Units	3027647002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	ND	2.1J		

Date: 05/20/2010 01:58 PM

### REPORT OF LABORATORY ANALYSIS

Page 24 of 26

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CABOT-EPA 006759

## QUALIFIERS

Project: 2H/4H-13  
Pace Project No.: 3027647

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

### LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

### WORKORDER QUALIFIERS

WO 3027647

[2] This project was revised on 5/20/10 in order to add Bromochloromethane, 1,2,4-trichlorobenzene, Azobenzene, benzoic acid, carbazole, 1-methylnaphthalene, N-nitrosodimethylamin.

### ANALYTE QUALIFIERS

1c ASTM BLANK  
2c Sample was tumbled on 05-17-2010 and analysis performed within 48 hours.  
D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.  
L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.  
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.  
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
R1 RPD value was outside control limits  
SU MBAS, calculated as LAS, Mol wt 342.2 g/mol





Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2H/4H-13  
Pace Project No : 3027647

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027647001	2H/4H-13	EPA 3050	MPRP/3844	EPA 6010B	ICP/3449
3027647001	2H/4H-13	EPA 7471	MERP/1921	EPA 7471	MERC/1876
3027647001	2H/4H-13	EPA 3546	OEXT/4910	EPA 8270	MSSV/2115
3027647001	2H/4H-13	EPA 8260	MSV/5837		
3027647001	2H/4H-13	ASTM D2974-87	PMST/1850		
3027647002	2H/4H-13 ASTM	SM 5540C	WET/5627		
3027647001	2H/4H-13	EPA 350.1	WETA/4255		
3027647002	2H/4H-13 ASTM	SM 4500-CI-E	WETA/4259		

Date: 05/20/2010 01:58 PM

### REPORT OF LABORATORY ANALYSIS

Page 26 of 26

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CABOT-EPA 006761

# Chain of Custody



Pace Analytical Services, Inc.  
1638 Roseytown Road  
Suites 2,3, & 4  
Greensburg, PA 15601  
Phone: (724) 850-5600  
FAX: (724) 850-5601

Subcontractor Project No.:  
P.O. No: ASR- 3027647

Request Date: 5/17/10 Analysis Due Date: ASAP  
Shipped By: Fed Ex

Certification Required: PA Cert

Pace Project No.: 3027647  
Report/Invoice to: Tim Reed

Page 1 of 1

	Pace Sample ID:	Matrix:	Collection Date:	Time:	Analysis Requested:	Analytical Method:	Detection Limits:	Units Requested:
1	3027647001	SL	5/13/10	11:15	Ethylene Glycol			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

1007226-01

Special Requirements:

Subcontract Lab: Summit Environmental Technologies, Inc.  
Address: 3310 Win Street  
Cuyahoga Falls, OH 44223  
Phone: 330-253-8211

Analysis Authorized By:   
Pace Agent Name Title  
Acceptance of Terms By:   
Subcontract Lab Agent Title

Relinquished By:   
(Signature & Affiliation) (Date) (Time)  
Relinquished By:   
(Signature & Affiliation) (Date) (Time)

Received By:   
(Signature & Affiliation) (Date) (Time)  
Received By:   
(Signature & Affiliation) (Date) (Time)

Comments:

ASR (C015-0 31 July 2007)

CABOT-EPA 006762

DIM0227454

DIM0227995

**Summit Environmental Technologies, Inc.  
Cooler Receipt Form**

Client: Pace Order Number: 1007226

Date Received: 5-18-10 Time Received: 1:00

Number of Coolers/Boxes: 1 N/A

Shipper: FED EX UPS DHL Airborne US Postal Walk-in Pickup Other: \_\_\_\_\_

Packaging: Peanuts Bubble Wrap Paper Foam None Other: \_\_\_\_\_

Tape on cooler box: (Y) N N/A

Custody Seals intact (Y) N N/A

C-O-C in plastic (Y) N N/A

Ice X Blue ice (present) / absent / melted N/A

Sample Temperature 4.1 °C N/A

C-O-C filled out properly (Y) N N/A

Samples in separate bags (Y) N N/A

Sample containers intact\* (Y) N N/A

\*If no, list broken sample(s): \_\_\_\_\_

Sample label(s) complete (ID, date, etc.) (Y) N N/A

Label(s) agree with C-O-C (Y) N N/A

Correct containers used (Y) N N/A

Sufficient sample received (Y) N N/A

Bubbles absent from 40 mL vials\*\* Y N (N/A)

\*\* Samples with bubbles less than the size of a pea are acceptable.

Was client contacted about samples Y N

Will client send new samples Y N

Client contact: \_\_\_\_\_

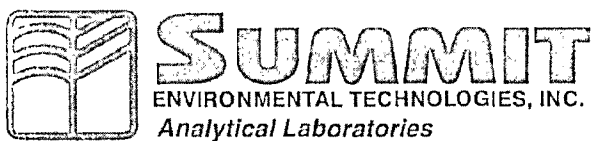
Date/Time: \_\_\_\_\_

Logged in by: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



## LABORATORY REPORT

### Client

Pace Analytical  
1638 Roseytown Road  
Greensburg, PA 15601

### Order Number

1007226

### Project Number

3027647

### Issued

Wednesday, May 19, 2010

### Total Number of Pages

4 (excluding C.O.C. and cooler receipt form)

Approved By :

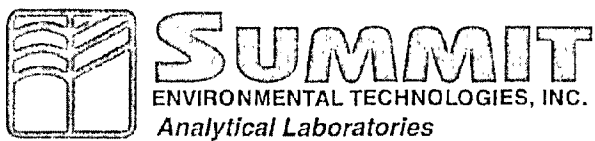


QA Manager

NELAC Accreditation #E87688

*"Analytical Integrity"* • EPA Certified • NELAP Certified  
3310 Wln Street • Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 • Fax: 330-253-4489  
Web Site: [www.settek.com](http://www.settek.com)

CABOT-EPA 006764

**Sample Summary**

Client: Pace Analytical  
Order Number: 1007226

---

Laboratory ID	Client ID	Matrix	Sampling Date
1007226-01	3027647001	Solid	5/13/2010

---

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Web Site: [www.settek.com](http://www.settek.com)

CABOT-EPA 006765



### Report Narrative

Client: Pace Analytical

Order Number: 1007226

Solid sample results are reported on a wet weight basis except as noted.  
No problems were encountered during analysis of this order number, except as noted.

**Data Qualifiers:**

B = Analyte found in the method blank  
J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)  
C = Analyte has been confirmed by another instrument or method  
E = Analyte exceeds the upper limit of the calibration curve.  
D = Sample or extract was analyzed at a higher dilution  
X = User defined data qualifier.  
S = Surrogate out of control limits  
U = Undetected  
a = Not Accredited by NELAC

ND = Non Detected at LOQ  
DF = Dilution Factor

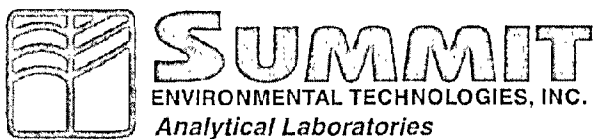
Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor)  
Limit Of Detection (LOD) = Laboratory Detection Limit

Estimated uncertainty values are available upon request.

Matrices:
A = Air
C = Cream
DW = Drinking Water
L = Liquid
O = Oil
SL = Sludge
SO = Soil
S = Solid
T = Tablet
TC = TCLP Extract
WW = Waste Water
W = Wipe

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

**"Analytical Integrity" • EPA Certified • NELAP Certified**  
3310 Win Street • Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 • Fax: 330-253-4489  
Web Site: [www.settok.com](http://www.settok.com)



May 19, 2010

Client: Pace Analytical  
Address: 1638 Roseytown Road  
Greensburg, PA 15601

Received: 5/18/2010  
Project #: 3027647

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3027647001	1007226-01	13-May-10	Ethylene glycol	ND	mg/kg	S	8015	1	10	19-May-10	JBN

Page 4

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Web Site: [www.settek.com](http://www.settek.com)

CABOT-EPA 006767

FORM 1  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VBK

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 3027647

Matrix: (soil/water) SOIL

Lab Sample ID: 171782

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: 50518009

Level: (low/med) LOW

Date Received: \_\_\_\_\_

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/18/10

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (mL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 4

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.91	19.4	J
2.	COLUMN BLEED	5.40	14.3	J
3.	COLUMN BLEED	6.45	20.4	J
4.	COLUMN BLEED	7.21	7.50	J
5.				
6.				
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FORM I VOA-TIC

CABOT-EPA 006768



Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\50518009.d

Date : 18-MAY-2010 13:24

Client ID:

Instrument: 30msv5.i

Sample Info: 171782,,5

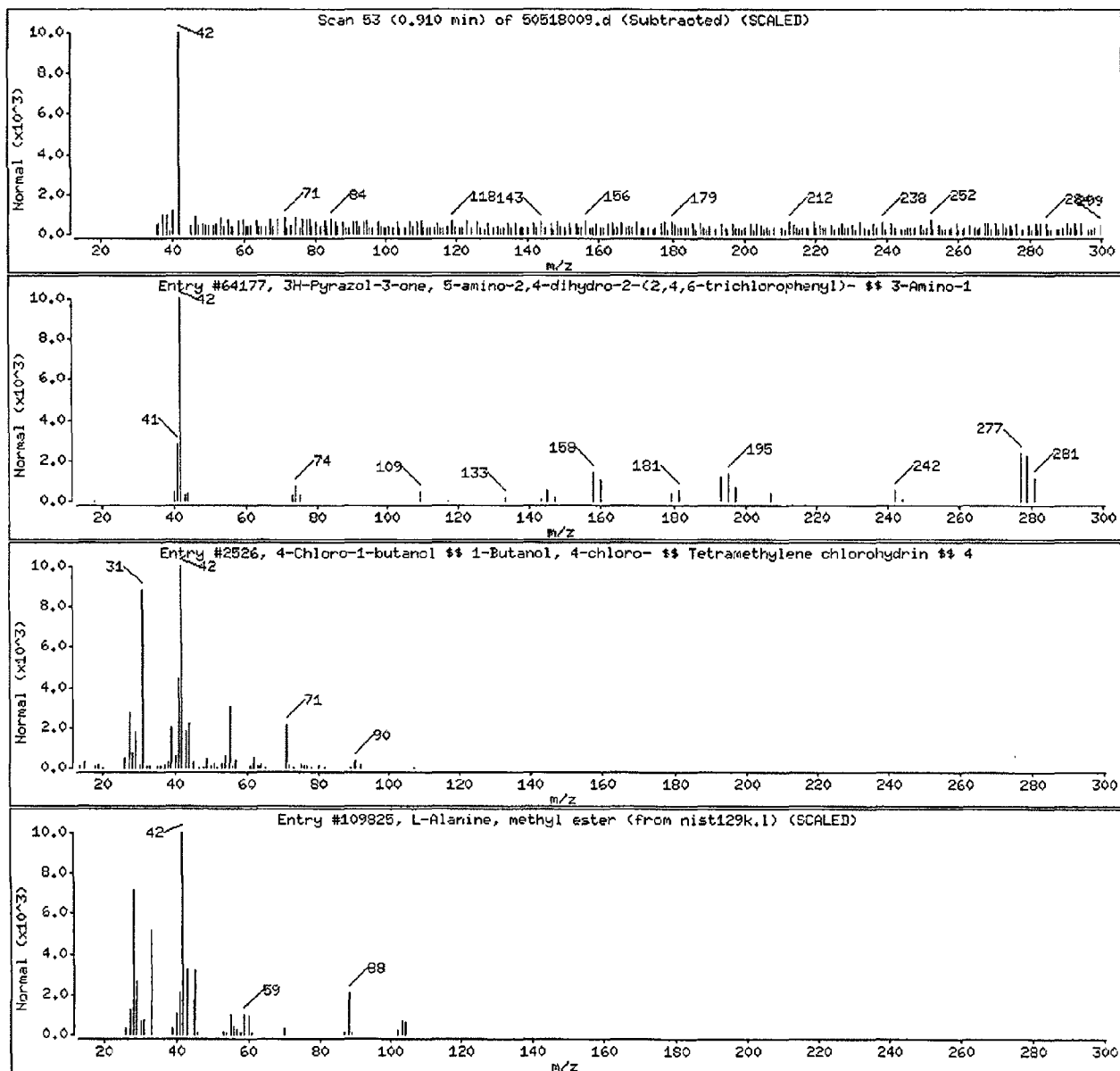
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3H-Pyrazol-3-one, 5-amino-2,4-dihydro-2-	27241-31-2	nist129k.1	64177	45	C9H6Cl3N3O	277
4-Chloro-1-butanol $\S\S$ 1-Butanol, 4-chlor	928-51-8	nist129k.1	2526	23	C4H9ClO	108
L-Alanine, methyl ester	10065-72-2	nist129k.1	109825	23	C4H9NO2	103



CABOT-EPA 006769

Data File: \\30wintarget\chem\30msv5.i\5100618.b\1.b\50518009.d

Date : 18-MAY-2010 13:24

Client ID:

Instrument: 30msv5.i

Sample Info: 171782,,6

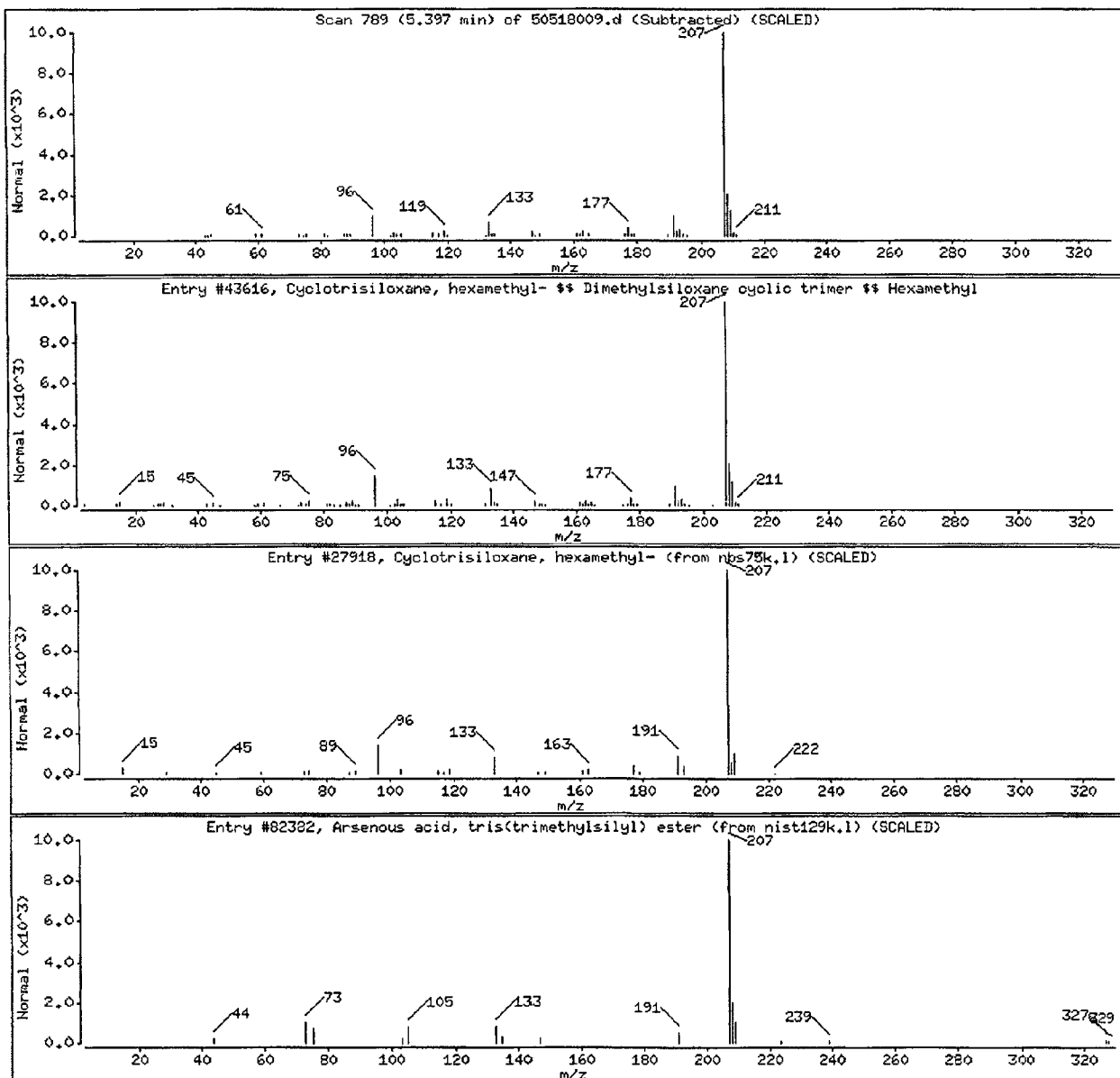
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotrisiloxane, hexamethyl- ** Dimethy	541-05-9	nist129k.1	43616	90	C6H18OSi3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	nbs75k.1	27918	72	C6H18OSi3	222
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	nist129k.1	82382	50	C9H27AsO3Si3	342



CABOT-EPA 006770

Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\50518009.d

Date : 18-MAY-2010 13:24

Client ID:

Instrument: 30msv5.i

Sample Info: 171782,,5

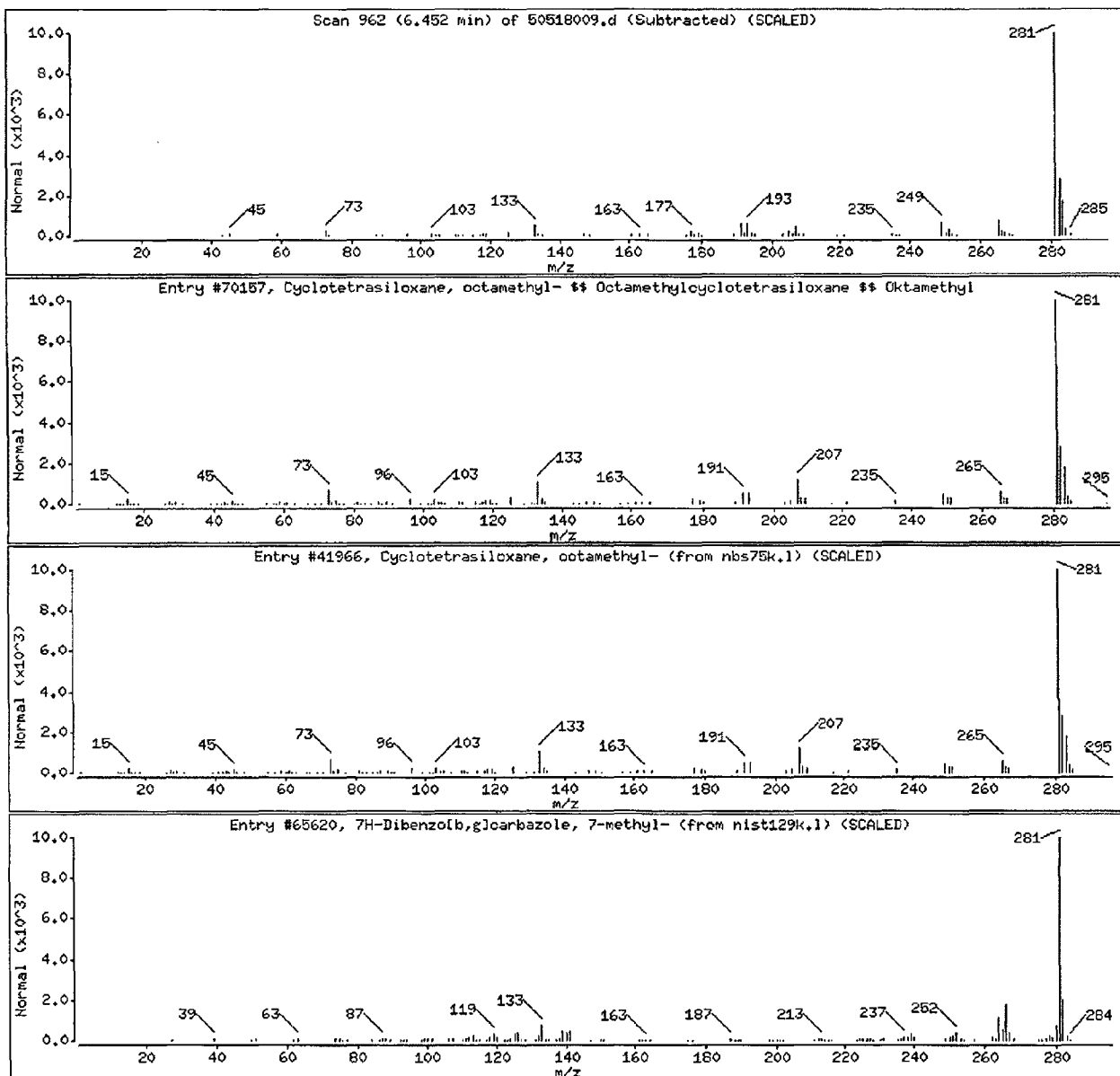
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Cyclotetrasiloxane, octamethyl- $\neq$ Octam	556-67-2	nist129k.1	70157	86	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	296
Cyclotetrasiloxane, octamethyl-	556-67-2	nbs75k.1	41966	86	C <sub>8</sub> H <sub>24</sub> O <sub>4</sub> Si <sub>4</sub>	296
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	nist129k.1	65620	59	C <sub>21</sub> H <sub>15</sub> N	281



CABOT-EPA 006771

Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\50518009.d

Date : 18-MAY-2010 13:24

Client ID:

Instrument: 30msv5.i

Sample Info: 171782,,5

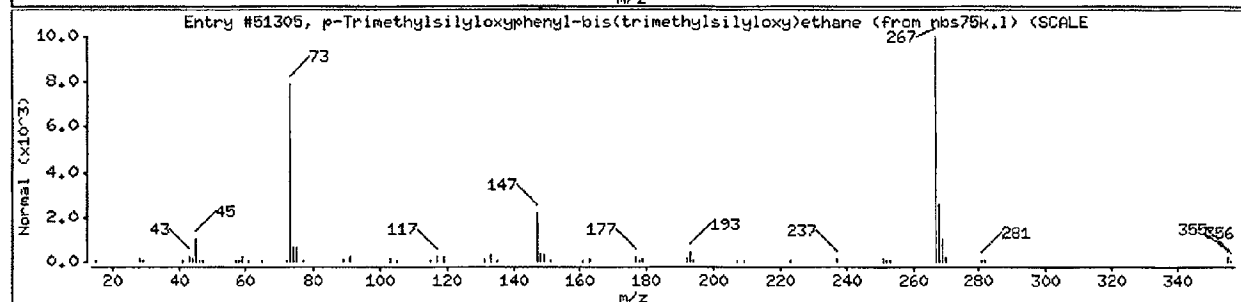
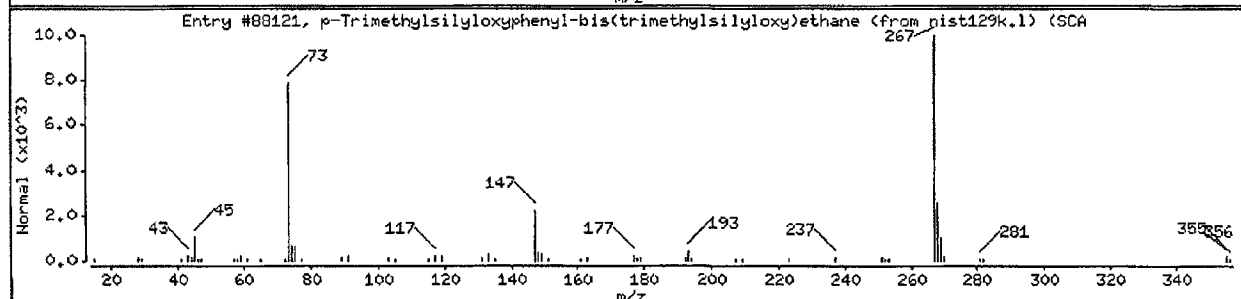
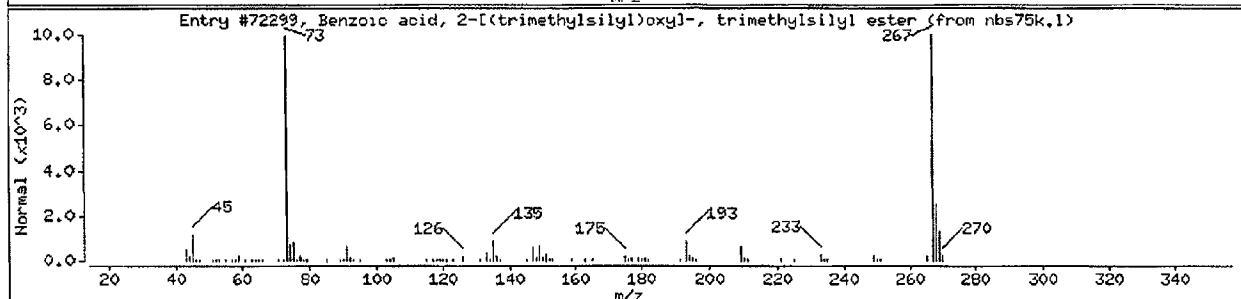
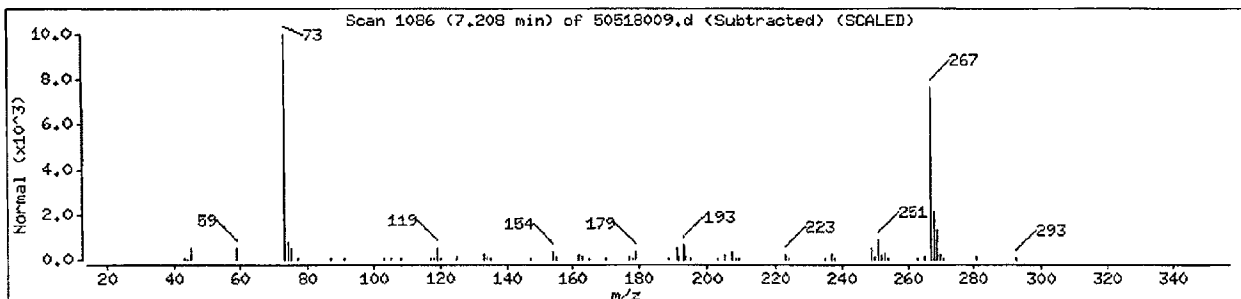
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
column bleed						
Benzoic acid, 2-[(trimethylsilyl)oxy]-,	3789-85-3	nbs75k.1	72299	78	C13H22O3Si2	282
p-Trimethylsilyloxyphenyl-bis(trimethyls	0-00-0	nist129k.1	88121	72	C17H34O3Si3	370
p-Trimethylsilyloxyphenyl-bis(trimethyls	0-00-0	nbs75k.1	51305	72	C17H34O3Si3	370



FORM 1 URS Corporation - PG14-MAY-2010 10:30  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-13

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 3027647  
Matrix: (soil/water) SOIL Lab Sample ID: 3027647001  
Sample wt/vol: 5.0 (g/mL) G Lab File ID: 50518011  
Level: (low/med) LOW Date Received: 05/14/10  
% Moisture: not dec. 10 Date Analyzed: 05/18/10  
GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0  
Soil Extract Volume: (mL) Soil Aliquot Volume: (uL)

Number TICs found: 4 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	0.91	15.9	J
2.	UNKNOWN	0.93	31.8	J
3.	UNKNOWN	5.85	5.64	J
4. 5989-27-5	D-LIMONENE \$\$ CYCLOHEXENE, 1	6.83	3.33	NJ
5.				
6.				
7.				
8.				
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FORM I VOA-TIC

CABOT-EPA 006773

Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\50518011.d

Date : 18-MAY-2010 14:10

Client ID: 2H/4H-13

Instrument: 30msv5.i

Sample Info: 3027647001,,6.26

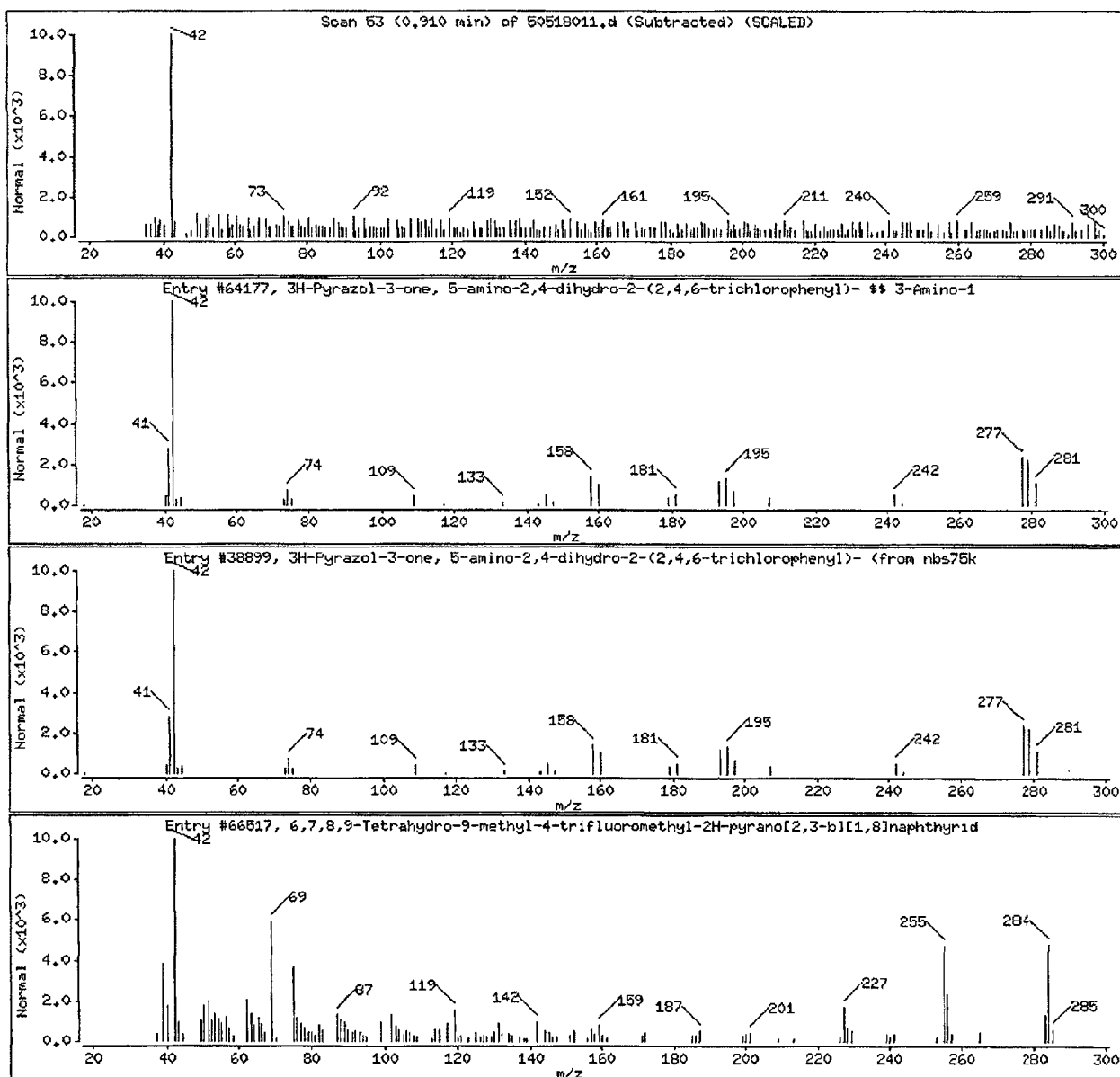
Purge Volume: 5.0

Operator: JEN

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3H-Pyrazol-3-one, 5-amino-2,4-dihydro-2-	27241-31-2	nist129k.l	64177	50	C9H6Cl3N3O	277
3H-Pyrazol-3-one, 5-amino-2,4-dihydro-2-	27241-31-2	nbs75k.l	38899	50	C9H6Cl3N3O	277
6,7,8,9-Tetrahydro-9-methyl-4-trifluorom	0-00-0	nist129k.l	66517	37	C13H11F3N2O2	284



CABOT-EPA 006774

Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\50518011.d

Date : 18-MAY-2010 14:10

Client ID: 2H/4H-13

Instrument: 30msv5.i

Sample Info: 3027647001,,6,26

Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VHS

Column diameter: 0.18

Library Search Compound Match

CAS Number Library

Entry

Quality

Formula

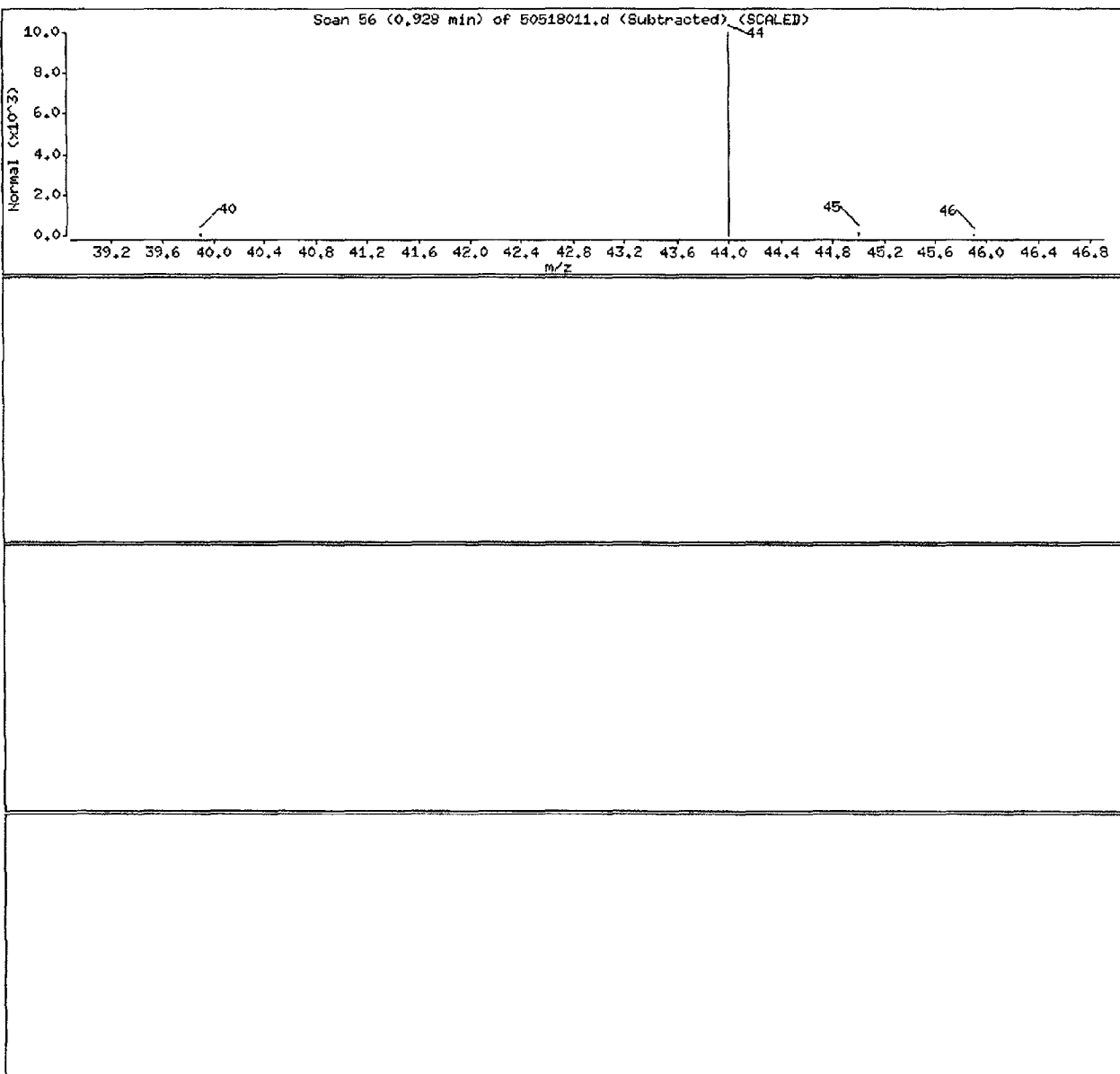
Weight

Unknown

0

0

0



CABOT-EPA 006775

Data File: \\30wintarget\chem\30msv5.1\5100518.b\1.b\50518011.d

Date : 18-MAY-2010 14:10

Client ID: 2H/4H-13

Instrument: 30msv5.1

Sample Info: 3027647001,,6.26

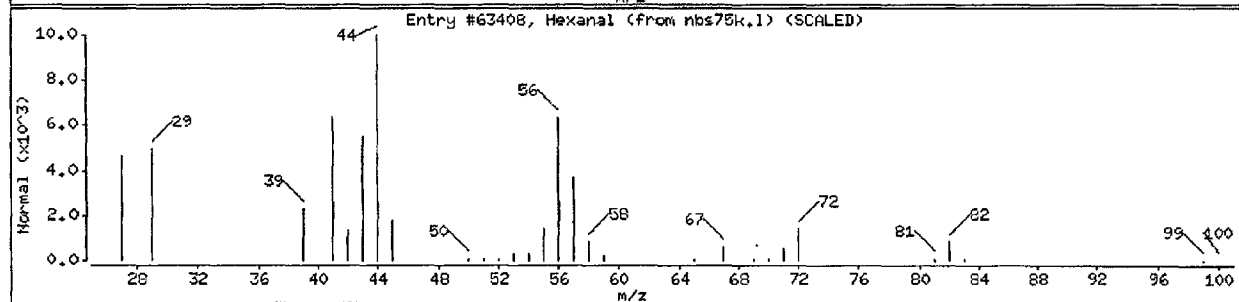
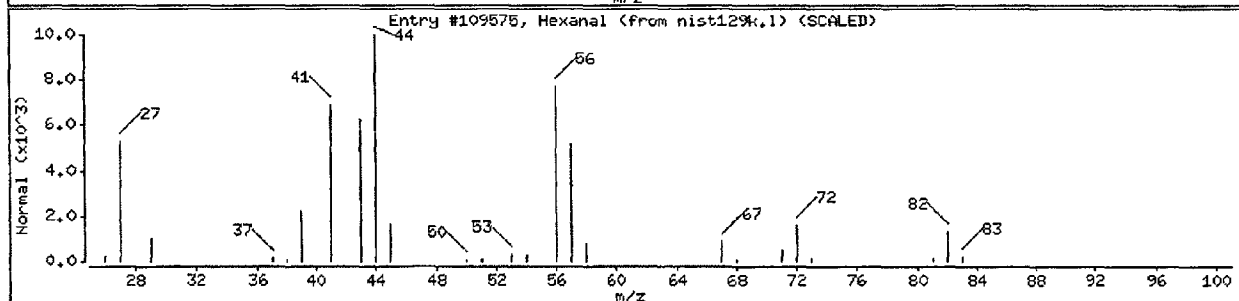
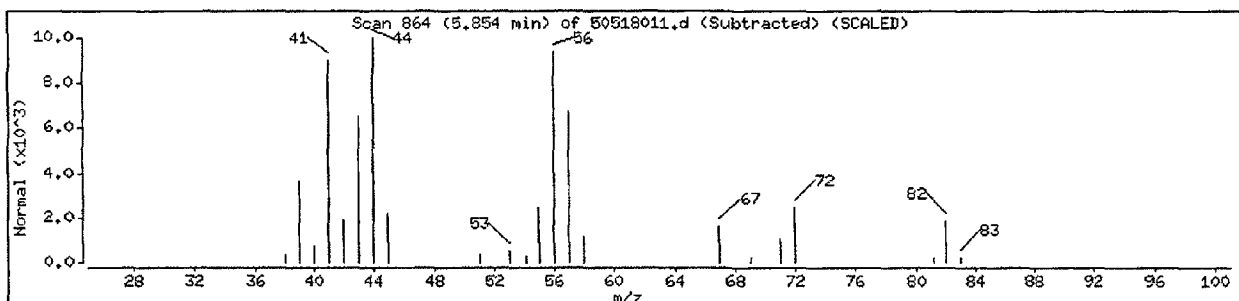
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Hexanal	66-25-1	nist129k.1	109575	86	C <sub>6</sub> H <sub>12</sub> O	100
Hexanal	66-25-1	nbs75k.1	63408	83	C <sub>6</sub> H <sub>12</sub> O	100





Data File: \\30wintarget\chem\30msv5.i\5100518.b\1.b\50518011.d

Date : 18-MAY-2010 14:10

Client ID: 2H/4H-13

Instrument: 30msv5.i

Sample Info: 3027647001,,6.26

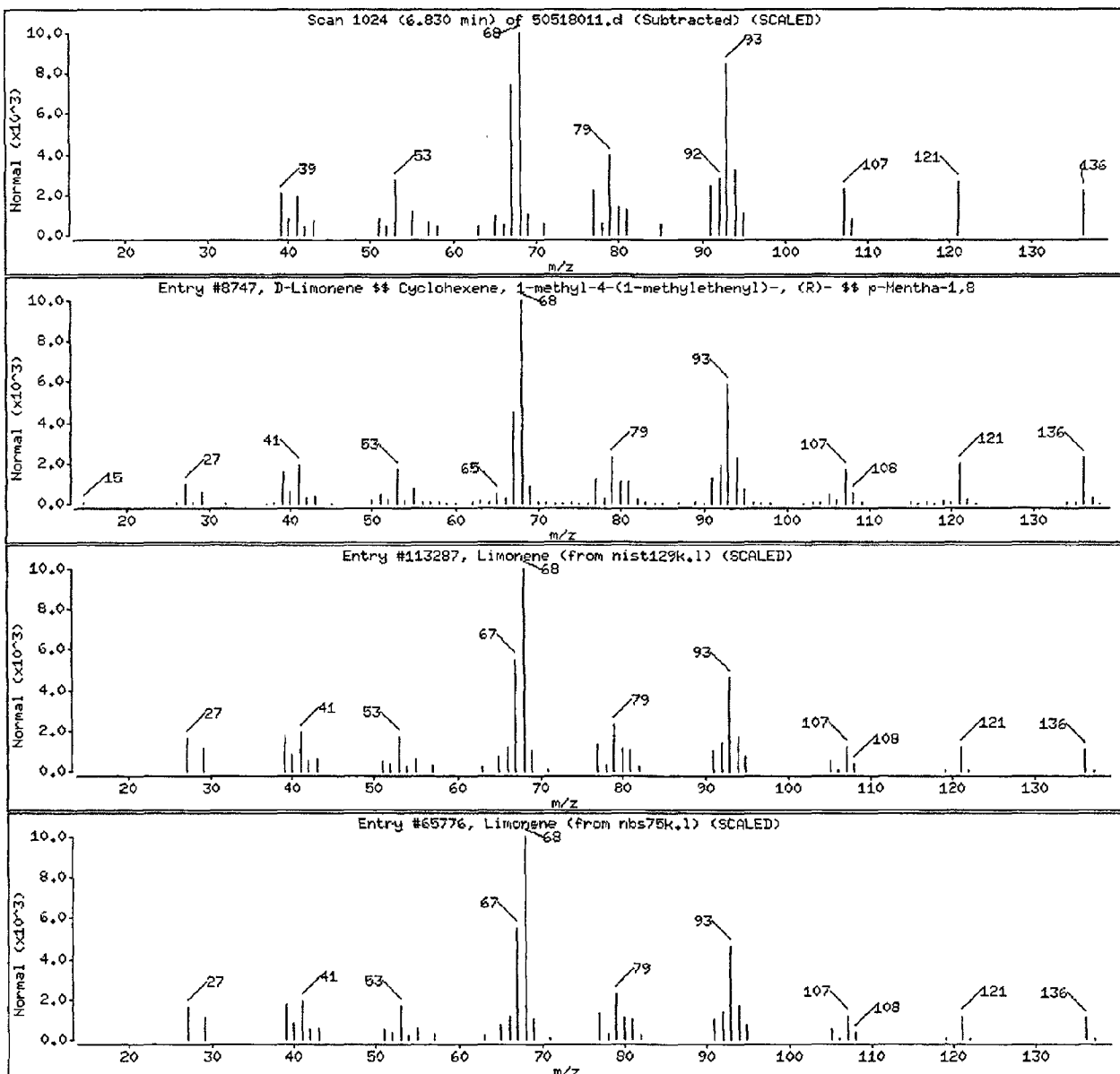
Purge Volume: 5.0

Operator: JEW

Column phase: Rtx-VMS

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
D-Limonene % Cyclohexene, 1-methyl-4-(1	5989-27-5	nist129k.1	8747	94	C10H16	136
Limonene	138-86-3	nist129k.1	113287	93	C10H16	136
Limonene	138-86-3	nbs75k.1	65776	93	C10H16	136



CABOT-EPA 006777

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB

Lab Name:

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 30MSS1-MSS105181

Matrix: (soil/water) SOIL

Lab Sample ID: 171088

Sample wt/vol: 15.0 (g/mL) G

Lab File ID: M10518A3

Level: (low/med) LOW

Date Received: 05/17/10

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted: 07/11/91

Concentrated Extract Volume: 5000 (uL)

Date Analyzed: 05/18/10

Injection Volume: \_\_\_\_\_ (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Number TICs found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.67	299	J
2. 565-75-3	PENTANE, 2,3,4-TRIMETHYL- \$\$	4.01	284	NJ
3.	UNKNOWN	4.50	1480	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

CABOT-EPA 006778

FORM 1 URS Corporation - PG14-MAY-2010 10:30  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

2H/4H-13

Lab Name: Contract:   
 Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS105181  
 Matrix: (soil/water) SOIL Lab Sample ID: 3027647001  
 Sample wt/vol: 15.3 (g/mL) G Lab File ID: M10518A5  
 Level: (low/med) LOW Date Received: 05/14/10  
 % Moisture: 10 decanted: (Y/N) N Date Extracted: 07/11/91  
 Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/18/10  
 Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0  
 GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.67	272	J
2.	UNKNOWN	4.01	351	J
3.	UNKNOWN	4.50	1390	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I SV-TIC

CABOT-EPA 006779



\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



### Sample Condition Upon Receipt

Client Name: URSProject # 3027047Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other \_\_\_\_\_Tracking #: 8726 5073 0070

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☒ Yes ☐ no Seals intact: ☒ Yes ☐ noPacking Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other foamThermometer Used 3 5Type of Ice: Wet Blue None ☒ Samples on ice, cooling process has begunCooler Temperature 5.8

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: RES 5/14/10

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>3 Days</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>SL</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, W-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>RES</u> Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: 5/17/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010

CABOT-EPA 006781



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

June 01, 2010

Mr. Jim Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

RE: Project: [REDACTED] 2H/4H  
Pace Project No.: 3028497

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 27, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com  
Project Manager

Enclosures

# REPORT OF LABORATORY ANALYSIS

Page 1 of 9

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CABOT-EPA 006782



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## CERTIFICATIONS

Project: [REDACTED] 2H/4H  
Pace Project No : 3028497

### Pennsylvania Certification IDs

1638 Roseytown Road Suites 2,3&4 Greensburg, PA  
15601  
Wyoming Certification # 8TMS-Q  
Wisconsin/PADEP Certification  
West Virginia Certification # 143  
Washington Certification # C1941  
Virginia Certification # 00112  
Virgin Island/PADEP Certification  
Utah/NELAC Certification # ANTE  
Texas/NELAC Certification # T104704188-09 TX  
Tennessee Certification # TN2867  
South Dakota Certification  
Puerto Rico Certification # PA01457  
Pennsylvania/NELAC Certification #: 65-00282  
Oregon/NELAC Certification #: PA200002  
North Carolina Certification #: 42706  
New York/NELAC Certification #: 10888  
New Mexico Certification  
New Jersey/NELAC Certification # PA 051  
New Hampshire/NELAC Certification # 2976  
Nevada Certification  
Montana Certification #: Cert 0082  
Missouri Certification #: 235

Michigan/PADEP Certification  
Massachusetts Certification #: M-PA1457  
Maryland Certification #: 308  
Maine Certification #: PA0091  
Louisiana/NELAC Certification #: LA080002  
Louisiana/NELAC Certification #: 4086  
Kentucky Certification # 90133  
Kansas/NELAC Certification #: E-10358  
Iowa Certification # 391  
Indiana/PADEP Certification  
Illinois/PADEP Certification  
Idaho Certification  
Hawaii/PADEP Certification  
Guam/PADEP Certification  
Florida/NELAC Certification #: E87683  
Delaware Certification  
Connecticut Certification # PH 0694  
Colorado Certification  
California/NELAC Certification #: 04222CA  
Arkansas Certification  
Arizona Certification # AZ0734  
Alabama Certification # 41590

## REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project: [REDACTED] 2H/4H  
Pace Project No : 3028497

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3028497001	[REDACTED] 2H-CONF-7R2	EPA 6010B	SAB	1	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3028497002	[REDACTED] 2H-CONF-12R2	EPA 6010B	SAB	1	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028497

Sample: [REDACTED] 2H-CONF-7R2 Lab ID: 3028497001 Collected: 05/27/10 11:20 Received: 05/27/10 17:57 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>								
Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Arsenic	2.0	mg/kg	0.42	1	05/28/10 11:12	06/01/10 12:53	7440-38-2	
<b>Percent Moisture</b>								
Analytical Method: ASTM D2974-87								
Percent Moisture	2.2	%	0.10	1		05/28/10 18:12		

Date: 06/01/2010 03:07 PM

## REPORT OF LABORATORY ANALYSIS

Page 4 of 9

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028497

Sample: [REDACTED] 2H-CONF-12R2 Lab ID: 3028497002 Collected: 05/27/10 11:45 Received: 05/27/10 17:57 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Arsenic	1.3	mg/kg	0.36	1	05/28/10 11:12	06/01/10 13:06	7440-38-2	
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87								
Percent Moisture	1.2	%	0.10	1		05/28/10 18:13		

Date: 06/01/2010 03:07 PM

## REPORT OF LABORATORY ANALYSIS

Page 5 of 9

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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3028497

QC Batch:	MPRP/3936	Analysis Method:	EPA 6010B
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
Associated Lab Samples 3028497001, 3028497002			

METHOD BLANK: 175980 Matrix: Solid

Associated Lab Samples: 3028497001, 3028497002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	0.50	06/01/10 12:45	

LABORATORY CONTROL SAMPLE: 175981

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	44.6	89	80-120	

MATRIX SPIKE SAMPLE: 175983

Parameter	Units	3028497001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	2.0	34.6	28.7	77	80-120	M0

SAMPLE DUPLICATE: 175982

Parameter	Units	3028497001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	2.0	2.0	1	

Date: 06/01/2010 03:07 PM

### REPORT OF LABORATORY ANALYSIS

Page 6 of 9

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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028497

QC Batch:	PMST/1873	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples: 3028497001, 3028497002			

SAMPLE DUPLICATE: 176457

Parameter	Units	3027838001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.1	21.2	22	1c

SAMPLE DUPLICATE: 176458

Parameter	Units	3027838002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	22.7	22.0	3	

Date: 06/01/2010 03.07 PM

### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006788



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Greensburg, PA 15601  
(724)850-5600

## QUALIFIERS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028497

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270 The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited Contact your Pace PM for the current list of accredited analytes.

### LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

### ANALYTE QUALIFIERS

1c RPD outside QC limits due to non-homogenous sample.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits

Date: 06/01/2010 03:07 PM

## REPORT OF LABORATORY ANALYSIS

Page 8 of 9

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CABOT-EPA 006789

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project. [REDACTED] 2H/4H  
Pace Project No : 3028497

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3028497001	[REDACTED] 2H-CONF-7R2	EPA 3050	MPRP/3936	EPA 6010B	ICP/3531
3028497002	[REDACTED] 2H-CONF-12R2	EPA 3050	MPRP/3936	EPA 6010B	ICP/3531
3028497001	[REDACTED] 2H-CONF-7R2	ASTM D2974-87	PMST/1873		
3028497002	[REDACTED] 2H-CONF-12R2	ASTM D2974-87	PMST/1873		

Date: 06/01/2010 03:07 PM

### REPORT OF LABORATORY ANALYSIS

Page 9 of 9

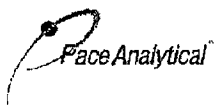
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CABOT-EPA 006790



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# Sample Condition Upon Receipt

Client Name:

WRS

Project #

SMB

3028497

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used 30 5

Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temperature 12.0

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: S-2770

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>29 hr</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>SL</u>	
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, W-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: 5/28/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010

CABOT-EPA 006792



# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 14:15  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

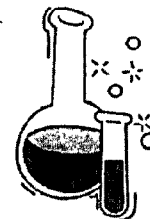
Matrix: Waste Water

01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	46.6	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, total	0.061	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, total	0.13	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, total	8.7	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, total	0.0040	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, total	0.19	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, total	0.0047	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, total	72.2	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, total	0.14	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, total	0.040	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, total	0.31	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, total	65.8	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, total	1.3	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, total	10.0	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, total	2.0	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, total	0.0025	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, total	0.28	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, total	0.18	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, total	28.7	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, total	0.0066	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, total	0.0025	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, total	216	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, total	0.20	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, total	0.53	0.010	mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006793

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 14:15  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

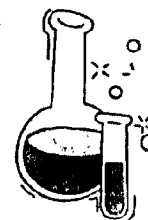
Matrix: Waste Water

01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	1.1	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, dissolved	0.078	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, dissolved	0.051	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, dissolved	3.1	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, dissolved	0.12	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, dissolved	18.4	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, dissolved	0.0082	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, dissolved	0.012	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, dissolved	1.0	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, dissolved	0.049	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, dissolved	0.40	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, dissolved	0.036	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, dissolved	0.23	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, dissolved	0.021	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, dissolved	17.1	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, dissolved	259	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, dissolved	0.045	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, dissolved	0.015	0.010	mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006794

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

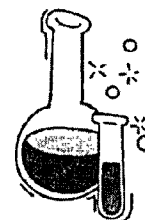
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 14:15  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS  
Matrix: Waste Water

01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.032	0.010	mg/L	EPA 8260B	25-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	25-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006795

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 26, 2010

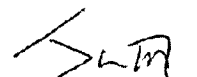
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 14:15  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

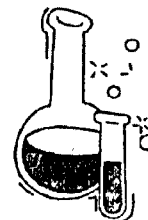
01

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	10.44 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	23-Mar-10
TSS	1745	mg/L	SM <sub>20</sub> 2540 D	25-Mar-10
TDS	1333	mg/L	SM <sub>20</sub> 2540 C	25-Mar-10
Sulfide	< 20	mg/L	EPA 376.2	26-Mar-10
MBAS	< 0.400	mg/L	SM <sub>20</sub> 5540 C	25-Mar-10
Chloride	302	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	10000	cfu/ 100 ml	SM <sub>20</sub> 9222 B	23-Mar-10
Fecal Coliform	6400	cfu/ 100 ml	SM <sub>20</sub> 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time.

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006796

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 14:25  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

Matrix: Solid

02

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum	13000	52.6	mg/Kg	EPA 6010B	26-Mar-10
Antimony	2.7	2.6	mg/Kg	EPA 6010B	26-Mar-10
Arsenic	12.3	2.6	mg/Kg	EPA 6010B	26-Mar-10
Barium	1590	10.5	mg/Kg	EPA 6010B	26-Mar-10
Beryllium	< 1.1	1.1	mg/Kg	EPA 6010B	26-Mar-10
Boron	< 26.3	26.3	mg/Kg	EPA 6010B	26-Mar-10
Cadmium	< 1.1	1.1	mg/Kg	EPA 6010B	26-Mar-10
Calcium	22000	1050	mg/Kg	EPA 6010B	26-Mar-10
Chromium	22.9	2.6	mg/Kg	EPA 6010B	26-Mar-10
Cobalt	9.1	5.3	mg/Kg	EPA 6010B	26-Mar-10
Copper	47.6	5.3	mg/Kg	EPA 6010B	26-Mar-10
Iron	23300	52.6	mg/Kg	EPA 6010B	26-Mar-10
Lead	95.7	2.6	mg/Kg	EPA 6010B	26-Mar-10
Magnesium	5700	263	mg/Kg	EPA 6010B	26-Mar-10
Manganese	516	5.3	mg/Kg	EPA 6010B	26-Mar-10
Mercury	0.12	0.095	mg/Kg	EPA 7471	26-Mar-10
Molybdenum	< 10.5	10.5	mg/Kg	EPA 6010B	26-Mar-10
Nickel	35.9	10.5	mg/Kg	EPA 6010B	26-Mar-10
Potassium	3210	263	mg/Kg	EPA 6010B	26-Mar-10
Selenium	< 2.6	2.6	mg/Kg	EPA 6010B	26-Mar-10
Silver	< 1.1	1.1	mg/Kg	EPA 6010B	26-Mar-10
Sodium	< 2630	2630	mg/Kg	EPA 6010B	26-Mar-10
Thallium	< 10.5	10.5	mg/Kg	EPA 6010B	26-Mar-10
Vanadium	27.9	5.3	mg/Kg	EPA 6010B	26-Mar-10
Zinc	108	5.3	mg/Kg	EPA 6010B	26-Mar-10

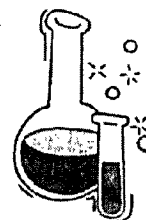


Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006797

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 14:25  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

Matrix: Solid

02

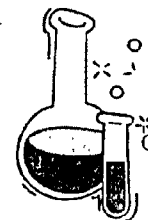
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	2.80	0.891	mg/Kg	EPA 8260B	25-Mar-10
Benzene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Bromodichloromethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Bromoform	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Bromomethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
2-Butanone	< 0.007	0.007	mg/Kg	EPA 8260B	25-Mar-10
Carbon Disulfide	0.007	0.003	mg/Kg	EPA 8260B	25-Mar-10
Carbon Tetrachloride	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Chlorobenzene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Chloroethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Chloroform	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Chloromethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Dibromochloromethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
1,1-Dichloroethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
1,2-Dichloroethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
1,1-Dichloroethene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
cis-1,2-Dichloroethene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
trans-1,2-Dichloroethene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
1,2-Dichloropropane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
cis-1,3-Dichloropropene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
trans-1,3-Dichloropropene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Ethylbenzene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
2-Hexanone	< 0.007	0.007	mg/Kg	EPA 8260B	25-Mar-10
4-Methyl-2-pentanone	< 0.007	0.007	mg/Kg	EPA 8260B	25-Mar-10
Styrene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
1,1,2,2-Tetrachloroethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Tetrachloroethene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Toluene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
1,1,1-Trichloroethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
1,1,2-Trichloroethane	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Trichloroethene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Vinyl Chloride	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
m,p-Xylenes	< 0.007	0.007	mg/Kg	EPA 8260B	25-Mar-10
o-Xylene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
n-Butylbenzene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
sec-Butylbenzene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
Isopropylbenzene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
n-Propylbenzene	< 0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10
p-Isopropyltoluene	0.003	0.003	mg/Kg	EPA 8260B	25-Mar-10

Results reported on a "wet-weight" basis

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006798

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**


March 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

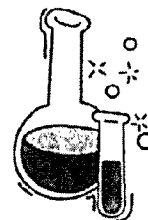
Date Sampled: 23-Mar-10  
Time Sampled: 14:25  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

02

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
<b>ASTM</b>				
<i>Sulfide</i>	< 25	mg/L	EPA 376.2	26-Mar-10
<i>MBAS</i>	< 0.400	mg/L	SM <sub>20</sub> 5540 C	25-Mar-10
<i>Chloride</i>	13.9	mg/L	ASTM D512-89(99)C	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 006799

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

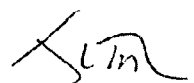
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 14:50  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

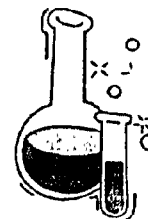
Matrix: Waste Water

03

PARAMETER	RESULT	REPORTING LIMIT		UNITS	METHOD	ANALYZED
Aluminum, total	0.46	0.05		mg/L	EPA 200.7	26-Mar-10
Antimony, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Arsenic, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Barium, total	0.76	0.010		mg/L	EPA 200.7	26-Mar-10
Beryllium, total	< 0.0010	0.0010		mg/L	EPA 200.7	26-Mar-10
Boron, total	< 0.050	0.050		mg/L	EPA 200.7	26-Mar-10
Cadmium, total	< 0.0010	0.0010		mg/L	EPA 200.7	26-Mar-10
Calcium, total	37.1	1.0		mg/L	EPA 200.7	26-Mar-10
Chromium, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Cobalt, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Copper, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Iron, total	0.28	0.050		mg/L	EPA 200.7	26-Mar-10
Lead, total	0.0044	0.0020		mg/L	EPA 200.7	26-Mar-10
Magnesium, total	4.9	0.20		mg/L	EPA 200.7	26-Mar-10
Manganese, total	0.0063	0.0050		mg/L	EPA 200.7	26-Mar-10
Mercury, total	< 0.00020	0.00020		mg/L	EPA 245.2	26-Mar-10
Molybdenum, total	< 0.020	0.020		mg/L	EPA 200.7	26-Mar-10
Nickel, total	< 0.010	0.010		mg/L	EPA 200.7	26-Mar-10
Potassium, total	2.3	0.50		mg/L	EPA 200.7	26-Mar-10
Selenium, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Silver, total	0.0021	0.0010		mg/L	EPA 200.7	26-Mar-10
Sodium, total	109	1.0		mg/L	EPA 200.7	26-Mar-10
Thallium, total	< 0.010	0.010		mg/L	EPA 200.7	26-Mar-10
Vanadium, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Zinc, total	< 0.010	0.010		mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006800



# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 14:50  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

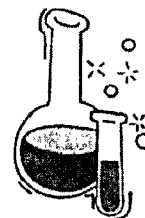
Matrix: Waste Water

-03

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	0.089	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, dissolved	0.65	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, dissolved	11.7	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, dissolved	0.068	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, dissolved	1.6	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, dissolved	0.0054	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, dissolved	0.84	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, dissolved	35.4	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006801

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 14:50  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

Matrix: Waste Water

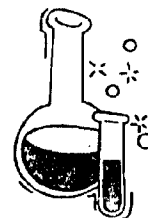
03

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	25-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
p-isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
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CABOT-EPA 006802

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 14:50  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

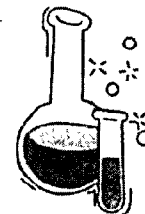
03

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	6.85 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	23-Mar-10
TSS	25.0	mg/L	SM <sub>20</sub> 2540 D	25-Mar-10
TDS	410	mg/L	SM <sub>20</sub> 2540 C	25-Mar-10
Sulfide	< 1	mg/L	EPA 376.2	26-Mar-10
MBAS	< 0.040	mg/L	SM <sub>20</sub> 5540 C	25-Mar-10
Chloride	188	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	23-Mar-10
Fecal Coliform	80	cfu/ 100 ml	SM <sub>20</sub> 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time.  
TNTC Too Numerous To Count

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006803

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

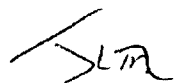
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 15:15  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

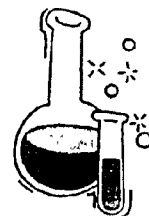
Matrix: Waste Water

04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	0.14	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, total	0.12	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, total	18.2	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, total	0.11	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, total	3.6	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, total	2.1	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, total	36.0	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006804

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

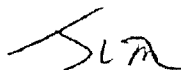
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 15:15  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

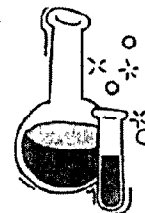
Matrix: Waste Water

04

PARAMETER	RESULT		UNITS	METHOD	ANALYZED
	REPORTING LIMIT				
Aluminum, dissolved	< 0.05	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, dissolved	0.11	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, dissolved	18.7	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, dissolved	3.6	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, dissolved	1.9	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, dissolved	36.0	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006805

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

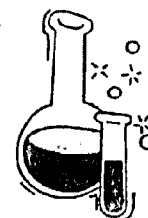
Date Sampled: 23-Mar-10  
Time Sampled: 15:15  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

Matrix: Waste Water

04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	25-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006806

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 26, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 15:15  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

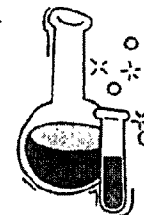
04

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	6.17 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	23-Mar-10
TSS	3.0	mg/L	SM <sub>20</sub> 2540 D	25-Mar-10
TDS	147	mg/L	SM <sub>20</sub> 2540 C	25-Mar-10
Sulfide	< 1	mg/L	EPA 376.2	26-Mar-10
MBAS	0.024	mg/L	SM <sub>20</sub> 5540 C	25-Mar-10
Chloride	78.8	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	48	cfu/ 100 ml	SM <sub>20</sub> 9222 B	23-Mar-10
Fecal Coliform	8	cfu/ 100 ml	SM <sub>20</sub> 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time.

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 006807

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 15:40  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

Matrix: Waste Water

05

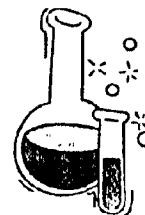
PARAMETER	RESULT		UNITS	METHOD	ANALYZED
REPORTING LIMIT					
Aluminum, total	< 0.05	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, total	0.085	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, total	28.4	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, total	0.50	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, total	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, total	7.5	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, total	1.3	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, total	17.8	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, total	0.089	0.010	mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006808



# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

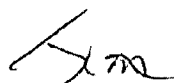
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 15:40  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

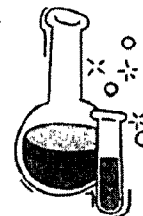
Matrix: Waste Water

05

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	< 0.05	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, dissolved	0.081	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, dissolved	27.8	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, dissolved	0.53	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, dissolved	7.3	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, dissolved	1.2	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, dissolved	16.6	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, dissolved	0.017	0.010	mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006809

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 15:40  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

Matrix: Waste Water

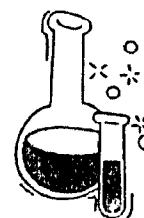
5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	25-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 15119-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006810

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 26, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 15:40  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

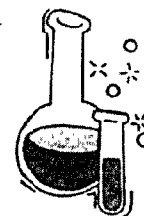
05

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	7.41 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	23-Mar-10
TSS	< 10.0	mg/L	SM <sub>20</sub> 2540 D	25-Mar-10
TDS	127	mg/L	SM <sub>20</sub> 2540 C	25-Mar-10
Sulfide	< 1	mg/L	EPA 376.2	26-Mar-10
MBAS	< 0.020	mg/L	SM <sub>20</sub> 5540 C	25-Mar-10
Chloride	37.9	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	23-Mar-10
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time.

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 006811

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

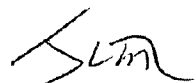
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 15:50  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

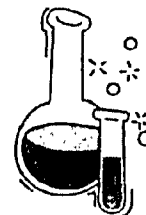
Matrix: Waste Water

06

PARAMETER	RESULT	REPORTING LIMIT		UNITS	METHOD	ANALYZED
Aluminum, total	2.2	0.05		mg/L	EPA 200.7	26-Mar-10
Antimony, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Arsenic, total	0.0067	0.0050		mg/L	EPA 200.7	26-Mar-10
Barium, total	0.18	0.010		mg/L	EPA 200.7	26-Mar-10
Beryllium, total	< 0.0010	0.0010		mg/L	EPA 200.7	26-Mar-10
Boron, total	< 0.050	0.050		mg/L	EPA 200.7	26-Mar-10
Cadmium, total	< 0.0010	0.0010		mg/L	EPA 200.7	26-Mar-10
Calcium, total	28.0	1.0		mg/L	EPA 200.7	26-Mar-10
Chromium, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Cobalt, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Copper, total	0.13	0.0050		mg/L	EPA 200.7	26-Mar-10
Iron, total	4.9	0.050		mg/L	EPA 200.7	26-Mar-10
Lead, total	0.0071	0.0020		mg/L	EPA 200.7	26-Mar-10
Magnesium, total	7.9	0.20		mg/L	EPA 200.7	26-Mar-10
Manganese, total	0.11	0.0050		mg/L	EPA 200.7	26-Mar-10
Mercury, total	< 0.00020	0.00020		mg/L	EPA 245.2	26-Mar-10
Molybdenum, total	< 0.020	0.020		mg/L	EPA 200.7	26-Mar-10
Nickel, total	< 0.010	0.010		mg/L	EPA 200.7	26-Mar-10
Potassium, total	2.0	0.50		mg/L	EPA 200.7	26-Mar-10
Selenium, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Silver, total	< 0.0010	0.0010		mg/L	EPA 200.7	26-Mar-10
Sodium, total	7.5	1.0		mg/L	EPA 200.7	26-Mar-10
Thallium, total	< 0.010	0.010		mg/L	EPA 200.7	26-Mar-10
Vanadium, total	< 0.0050	0.0050		mg/L	EPA 200.7	26-Mar-10
Zinc, total	0.011	0.010		mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 15519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006812

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

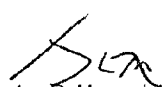
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 15:50  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

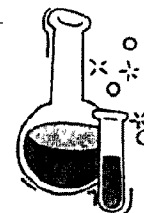
Matrix: Waste Water

06

PARAMETER	RESULT		UNITS	METHOD	ANALYZED
	REPORTING LIMIT				
Aluminum, dissolved	< 0.05	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, dissolved	0.097	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, dissolved	26.0	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, dissolved	0.015	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, dissolved	7.1	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, dissolved	1.3	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, dissolved	7.0	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006813

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 15:50  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

Matrix: Waste Water

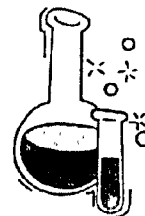
06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	25-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	25-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	25-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006814

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 26, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 15:50  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

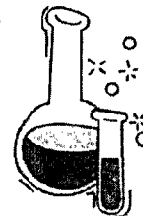
06

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	7.74 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	23-Mar-10
TSS	61.0	mg/L	SM <sub>20</sub> 2540 D	25-Mar-10
TDS	107	mg/L	SM <sub>20</sub> 2540 C	25-Mar-10
Sulfide	< 1	mg/L	EPA 376.2	26-Mar-10
MBAS	< 0.040	mg/L	SM <sub>20</sub> 5540 C	25-Mar-10
Chloride	6.27	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	23-Mar-10
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time.

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006815

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

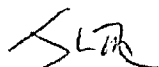
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 16:00  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

Matrix: Waste Water

07

PARAMETER	RESULT		UNITS	METHOD	ANALYZED
	REPORTING LIMIT				
Aluminum, dissolved	0.19	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, dissolved	0.33	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, dissolved	13.9	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, dissolved	0.16	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, dissolved	2.7	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, dissolved	0.0069	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, dissolved	2.4	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, dissolved	14.7	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006816



# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 16:00  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

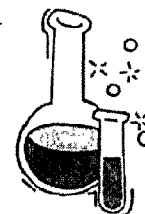
Matrix: Waste Water

07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	2.3	0.05	mg/L	EPA 200.7	26-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Barium, total	1.1	0.010	mg/L	EPA 200.7	26-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	26-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Calcium, total	14.9	1.0	mg/L	EPA 200.7	26-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Iron, total	1.9	0.050	mg/L	EPA 200.7	26-Mar-10
Lead, total	0.0058	0.0020	mg/L	EPA 200.7	26-Mar-10
Magnesium, total	3.1	0.20	mg/L	EPA 200.7	26-Mar-10
Manganese, total	0.032	0.0050	mg/L	EPA 200.7	26-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	26-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	26-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Potassium, total	3.2	0.50	mg/L	EPA 200.7	26-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	26-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	26-Mar-10
Sodium, total	15.1	1.0	mg/L	EPA 200.7	26-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10
Vanadium, total	0.0060	0.0050	mg/L	EPA 200.7	26-Mar-10
Zinc, total	< 0.010	0.010	mg/L	EPA 200.7	26-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006817

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

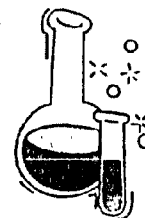
Date Sampled: 23-Mar-10  
Time Sampled: 16:00  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

Matrix: Waste Water

07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006818

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 26, 2010

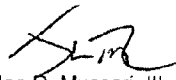
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 16:00  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

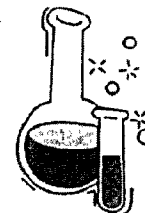
07

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	6.75 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	23-Mar-10
TSS	23.0	mg/L	SM <sub>20</sub> 2540 D	25-Mar-10
TDS	46.7	mg/L	SM <sub>20</sub> 2540 C	25-Mar-10
Sulfide	< 1	mg/L	EPA 376.2	26-Mar-10
MBAS	< 0.040	mg/L	SM <sub>20</sub> 5540 C	25-Mar-10
Chloride	19.7	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	23-Mar-10
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 D	23-Mar-10
				19:00

H sample received and analyzed out of EPA prescribed hold time.  
TNTC Too Numerous To Count

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006819

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: n/a  
Time Sampled: n/a  
Date Received: 23-Mar-10  
Sampled by: James Pinta/ URS

Matrix: n/a

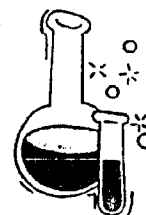
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PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006820



# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

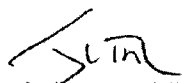
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 10:00  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

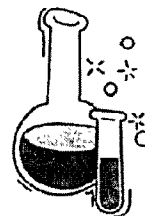
Matrix: Waste Water

2H-08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	0.98	0.050	mg/L	EPA 200.7	29-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Barium, total	0.23	0.010	mg/L	EPA 200.7	29-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Calcium, total	18.6	1.0	mg/L	EPA 200.7	29-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Iron, total	0.89	0.050	mg/L	EPA 200.7	29-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	29-Mar-10
Magnesium, total	5.3	0.20	mg/L	EPA 200.7	29-Mar-10
Manganese, total	0.21	0.0050	mg/L	EPA 200.7	29-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Potassium, total	9.7	0.50	mg/L	EPA 200.7	29-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Sodium, total	14.5	1.0	mg/L	EPA 200.7	29-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Zinc, total	0.013	0.010	mg/L	EPA 200.7	29-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006822

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

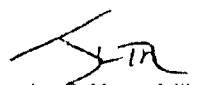
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 10:00  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Waste Water

2H-08

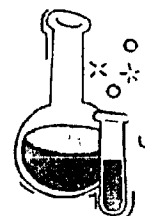
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Barium, dissolved	0.11	0.010	mg/L	EPA 200.7	29-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Calcium, dissolved	19.1	1.0	mg/L	EPA 200.7	29-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Iron, dissolved	0.094	0.050	mg/L	EPA 200.7	29-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	29-Mar-10
Magnesium, dissolved	5.2	0.20	mg/L	EPA 200.7	29-Mar-10
Manganese, dissolved	0.17	0.0050	mg/L	EPA 200.7	29-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Potassium, dissolved	9.0	0.50	mg/L	EPA 200.7	29-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Sodium, dissolved	14.4	1.0	mg/L	EPA 200.7	29-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

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CABOT-EPA 006823

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

James Pirila  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

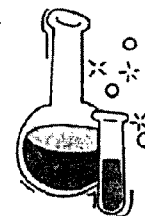
Date Sampled: 24-Mar-10  
Time Sampled: 10:00  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrx: Waste Water

2H-08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
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CABOT-EPA 006824



# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 29, 2010

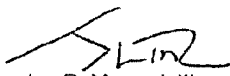
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 10:00  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

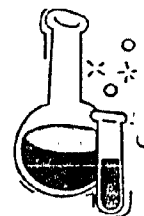
2H-08

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	7.40 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	24-Mar-10
TSS	120	mg/L	SM <sub>20</sub> 2540 D	25-Mar-10
TDS	14.0	mg/L	SM <sub>20</sub> 2540 C	25-Mar-10
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.040	mg/L	SM <sub>20</sub> 5540 C	26-Mar-10
Chloride	28.2	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	24-Mar-10
Fecal Coliform	6	cfu/ 100 ml	SM <sub>20</sub> 9222 D	24-Mar-10
				18:00

H sample received and analyzed out of EPA prescribed hold time.  
TNTC Too Numerous To Count

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006825

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 23-Mar-10  
Time Sampled: 10:15  
Date Received: 23-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Solid

2H-09

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum	7510	7.9	mg/Kg	EPA 6010B	30-Mar-10
Antimony	0.44	0.40	mg/Kg	EPA 6010B	30-Mar-10
Arsenic	4.5	0.40	mg/Kg	EPA 6010B	30-Mar-10
Barium	149	1.6	mg/Kg	EPA 6010B	30-Mar-10
Beryllium	0.33	0.16	mg/Kg	EPA 6010B	30-Mar-10
Boron	< 4.0	4.0	mg/Kg	EPA 6010B	30-Mar-10
Cadmium	< 0.16	0.16	mg/Kg	EPA 6010B	30-Mar-10
Calcium	4410	159	mg/Kg	EPA 6010B	30-Mar-10
Chromium	9.0	0.40	mg/Kg	EPA 6010B	30-Mar-10
Cobalt	6.0	0.79	mg/Kg	EPA 6010B	30-Mar-10
Copper	15.2	0.79	mg/Kg	EPA 6010B	30-Mar-10
Iron	14800	7.9	mg/Kg	EPA 6010B	30-Mar-10
Lead	9.2	0.40	mg/Kg	EPA 6010B	30-Mar-10
Magnesium	2620	39.7	mg/Kg	EPA 6010B	30-Mar-10
Manganese	394	0.79	mg/Kg	EPA 6010B	30-Mar-10
Mercury	< 0.095	0.095	mg/Kg	EPA 7471	29-Mar-10
Molybdenum	< 1.6	1.6	mg/Kg	EPA 6010B	30-Mar-10
Nickel	11.7	1.6	mg/Kg	EPA 6010B	30-Mar-10
Potassium	906	39.7	mg/Kg	EPA 6010B	30-Mar-10
Selenium	< 0.40	0.40	mg/Kg	EPA 6010B	30-Mar-10
Silver	< 0.16	0.16	mg/Kg	EPA 6010B	30-Mar-10
Sodium	< 397	397	mg/Kg	EPA 6010B	30-Mar-10
Thallium	< 1.6	1.6	mg/Kg	EPA 6010B	30-Mar-10
Vanadium	9.9	0.79	mg/Kg	EPA 6010B	30-Mar-10
Zinc	61.5	0.79	mg/Kg	EPA 6010B	30-Mar-10

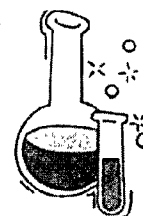
Results reported on a "wet weight" basis

Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006826

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 10 15  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Solid

2H-09

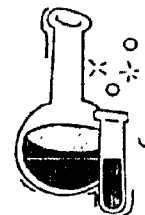
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.087	0.007	mg/Kg	EPA 8260B	26-Mar-10
Benzene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Bromoform	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Bromomethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
2-Butanone	< 0.007	0.007	mg/Kg	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Chloroethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Chloroform	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Chloromethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
2-Hexanone	< 0.007	0.007	mg/Kg	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.007	0.007	mg/Kg	EPA 8260B	26-Mar-10
Styrene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Toluene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Trichloroethene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.007	0.007	mg/Kg	EPA 8260B	26-Mar-10
o-Xylene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.004	0.004	mg/Kg	EPA 8260B	26-Mar-10

Results reported on a "wet-weight" basis

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006827

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.


March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

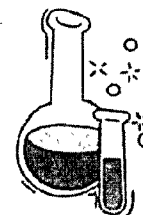
Date Sampled: 24-Mar-10  
Time Sampled: 10:15  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

2H-09

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
ASTM				
Sulfide	< 25	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.040	mg/L	SM <sub>20</sub> 5540 C	29-Mar-10
Chloride	7.58	mg/L	ASTM D512-89(99)C	29-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006828

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

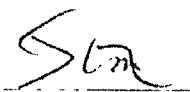
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Time Sampled: 14:15  
Date Received: 23-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Solid

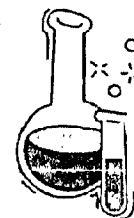
2H-10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum	6150	7.9	mg/Kg	EPA 6010B	30-Mar-10
Antimony	0.43	0.40	mg/Kg	EPA 6010B	30-Mar-10
Arsenic	8.8	0.40	mg/Kg	EPA 6010B	30-Mar-10
Barium	229	1.6	mg/Kg	EPA 6010B	30-Mar-10
Beryllium	0.34	0.16	mg/Kg	EPA 6010B	30-Mar-10
Boron	< 4.0	4.0	mg/Kg	EPA 6010B	30-Mar-10
Cadmium	0.18	0.16	mg/Kg	EPA 6010B	30-Mar-10
Calcium	1260	159	mg/Kg	EPA 6010B	30-Mar-10
Chromium	6.9	0.40	mg/Kg	EPA 6010B	30-Mar-10
Cobalt	4.5	0.79	mg/Kg	EPA 6010B	30-Mar-10
Copper	12.6	0.79	mg/Kg	EPA 6010B	30-Mar-10
Iron	8840	7.9	mg/Kg	EPA 6010B	30-Mar-10
Lead	29.3	0.40	mg/Kg	EPA 6010B	30-Mar-10
Magnesium	1210	39.7	mg/Kg	EPA 6010B	30-Mar-10
Manganese	811	0.79	mg/Kg	EPA 6010B	30-Mar-10
Mercury	< 0.098	0.098	mg/Kg	EPA 7471	29-Mar-10
Molybdenum	< 1.6	1.6	mg/Kg	EPA 6010B	30-Mar-10
Nickel	7.0	1.6	mg/Kg	EPA 6010B	30-Mar-10
Potassium	692	39.7	mg/Kg	EPA 6010B	30-Mar-10
Selenium	0.42	0.40	mg/Kg	EPA 6010B	30-Mar-10
Silver	< 0.16	0.16	mg/Kg	EPA 6010B	30-Mar-10
Sodium	< 397	397	mg/Kg	EPA 6010B	30-Mar-10
Thallium	< 1.6	1.6	mg/Kg	EPA 6010B	30-Mar-10
Vanadium	8.4	0.79	mg/Kg	EPA 6010B	30-Mar-10
Zinc	62.1	0.79	mg/Kg	EPA 6010B	30-Mar-10

Results reported on a "wet weight" basis

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006829

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 14:15  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Solid

2H-10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetona	0.205	0.013	mg/Kg	EPA 8260B	26-Mar-10
Benzene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Bromoform	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Bromomethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
2-Butanone	0.024	0.013	mg/Kg	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Chloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Chloroform	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Chloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
2-Hexanone	< 0.013	0.013	mg/Kg	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.013	0.013	mg/Kg	EPA 8260B	26-Mar-10
Styrene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Toluene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Trichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.013	0.013	mg/Kg	EPA 8260B	26-Mar-10
o-Xylene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.006	0.006	mg/Kg	EPA 8260B	26-Mar-10

Results reported on a "wet-weight" basis

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006830

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

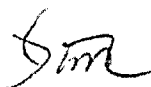
March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

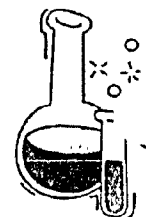
Date Sampled: 24-Mar-10  
Time Sampled: 14:15  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

2H-10

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
ASTM				
Sulfide	< 25	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.100	mg/L	SM <sub>20</sub> 5540 C	29-Mar-10
Chloride	3.23	mg/L	ASTM D512-89(99)C	29-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006831

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

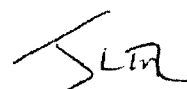
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 14:00  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

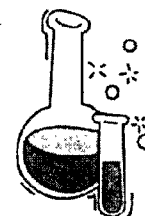
Matrix: Waste Water

2H-11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	2.4	0.050	mg/L	EPA 200.7	29-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Arsenic, total	0.0051	0.0050	mg/L	EPA 200.7	29-Mar-10
Barium, total	0.76	0.010	mg/L	EPA 200.7	29-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Calcium, total	14.2	1.0	mg/L	EPA 200.7	29-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Iron, total	1.7	0.050	mg/L	EPA 200.7	29-Mar-10
Lead, total	0.0048	0.0020	mg/L	EPA 200.7	29-Mar-10
Magnesium, total	3.0	0.20	mg/L	EPA 200.7	29-Mar-10
Manganese, total	0.039	0.0050	mg/L	EPA 200.7	29-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Potassium, total	3.0	0.50	mg/L	EPA 200.7	29-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Sodium, total	14.6	1.0	mg/L	EPA 200.7	29-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Vanadium, total	0.0053	0.0050	mg/L	EPA 200.7	29-Mar-10
Zinc, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006832



# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

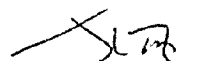
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 14:00  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

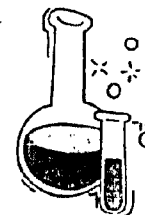
Matrix: Waste Water

2H-11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
<i>Aluminum, dissolved</i>	0.14	0.050	mg/L	EPA 200.7	29-Mar-10
<i>Antimony, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Arsenic, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Barium, dissolved</i>	0.32	0.010	mg/L	EPA 200.7	29-Mar-10
<i>Beryllium, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
<i>Boron, dissolved</i>	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
<i>Cadmium, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
<i>Calcium, dissolved</i>	13.8	1.0	mg/L	EPA 200.7	29-Mar-10
<i>Chromium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Cobalt, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Copper, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Iron, dissolved</i>	0.082	0.050	mg/L	EPA 200.7	29-Mar-10
<i>Lead, dissolved</i>	< 0.0020	0.0020	mg/L	EPA 200.7	29-Mar-10
<i>Magnesium, dissolved</i>	2.7	0.20	mg/L	EPA 200.7	29-Mar-10
<i>Manganese, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Mercury, dissolved</i>	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
<i>Molybdenum, dissolved</i>	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
<i>Nickel, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
<i>Potassium, dissolved</i>	2.3	0.50	mg/L	EPA 200.7	29-Mar-10
<i>Selenium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Silver, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
<i>Sodium, dissolved</i>	14.5	1.0	mg/L	EPA 200.7	29-Mar-10
<i>Thallium, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
<i>Vanadium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Zinc, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006833

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 14:00  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Waste Water

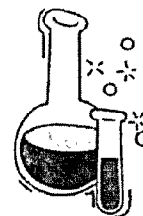
2H-11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006834

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 29, 2010

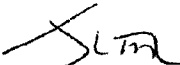
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 14:00  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

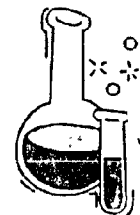
2H-11

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	6.83 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	24-Mar-10
TSS	27.0	mg/L	SM <sub>20</sub> 2540 D	25-Mar-10
TDS	66.7	mg/L	SM <sub>20</sub> 2540 C	25-Mar-10
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.040	mg/L	SM <sub>20</sub> 5540 C	26-Mar-10
Chloride	23.4	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	86	cfu/ 100 ml	SM <sub>20</sub> 9222 B	24-Mar-10
Fecal Coliform	0	cfu/ 100 ml	SM <sub>20</sub> 9222 D	24-Mar-10 18:30

H sample received and analyzed out of EPA prescribed hold time.

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006835

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 14:40  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

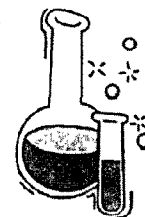
Matrix: Waste Water

12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Barium, total	0.10	0.010	mg/L	EPA 200.7	29-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Calcium, total	32.3	1.0	mg/L	EPA 200.7	29-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Copper, total	0.014	0.0050	mg/L	EPA 200.7	29-Mar-10
Iron, total	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	29-Mar-10
Magnesium, total	8.5	0.20	mg/L	EPA 200.7	29-Mar-10
Manganese, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Potassium, total	1.2	0.50	mg/L	EPA 200.7	29-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Sodium, total	8.6	1.0	mg/L	EPA 200.7	29-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Zinc, total	0.011	0.010	mg/L	EPA 200.7	29-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006836

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 29, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 14:40  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

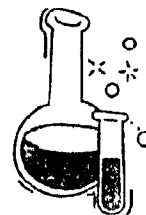
Matrix: Waste Water

-12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
<i>Aluminum, dissolved</i>	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
<i>Antimony, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Arsenic, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Barium, dissolved</i>	0.098	0.010	mg/L	EPA 200.7	29-Mar-10
<i>Beryllium, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
<i>Boron, dissolved</i>	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
<i>Cadmium, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
<i>Calcium, dissolved</i>	30.6	1.0	mg/L	EPA 200.7	29-Mar-10
<i>Chromium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Cobalt, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Copper, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Iron, dissolved</i>	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
<i>Lead, dissolved</i>	< 0.0020	0.0020	mg/L	EPA 200.7	29-Mar-10
<i>Magnesium, dissolved</i>	8.1	0.20	mg/L	EPA 200.7	29-Mar-10
<i>Manganese, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Mercury, dissolved</i>	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
<i>Molybdenum, dissolved</i>	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
<i>Nickel, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
<i>Potassium, dissolved</i>	1.2	0.50	mg/L	EPA 200.7	29-Mar-10
<i>Selenium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Silver, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
<i>Sodium, dissolved</i>	8.4	1.0	mg/L	EPA 200.7	29-Mar-10
<i>Thallium, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
<i>Vanadium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Zinc, dissolved</i>	0.012	0.010	mg/L	EPA 200.7	29-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 006837

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

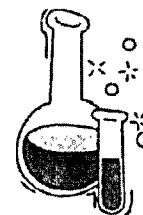
Date Sampled: 24-Mar-10  
Time Sampled: 14:40  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Waste Water

-12

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006838

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

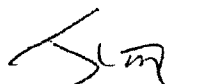
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 14:40  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

12

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	7.82 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	24-Mar-10
TSS	< 2.0	mg/L	SM <sub>20</sub> 2540 D	25-Mar-10
TDS	133	mg/L	SM <sub>20</sub> 2540 C	25-Mar-10
Sulfide	< 1	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.020	mg/L	SM <sub>20</sub> 5540 C	26-Mar-10
Chloride	8.72	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	24-Mar-10
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 D	24-Mar-10 18:00

H sample received and analyzed out of EPA prescribed hold time.

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006839

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 15:20  
Date Received: 24-Mar-10  
Sampled by: Andy Mehaiko/ URS

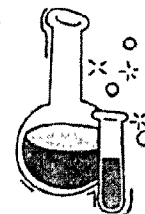
Matrix: Waste Water

2H-13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	9.4	0.050	mg/L	EPA 200.7	29-Mar-10
Antimony, total	0.0082	0.0050	mg/L	EPA 200.7	29-Mar-10
Arsenic, total	0.0086	0.0050	mg/L	EPA 200.7	29-Mar-10
Barium, total	14.6	0.010	mg/L	EPA 200.7	29-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Boron, total	0.057	0.050	mg/L	EPA 200.7	29-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Calcium, total	34.5	1.0	mg/L	EPA 200.7	29-Mar-10
Chromium, total	0.025	0.0050	mg/L	EPA 200.7	29-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Copper, total	0.36	0.0050	mg/L	EPA 200.7	29-Mar-10
Iron, total	4.9	0.050	mg/L	EPA 200.7	29-Mar-10
Lead, total	0.14	0.0020	mg/L	EPA 200.7	29-Mar-10
Magnesium, total	5.5	0.20	mg/L	EPA 200.7	29-Mar-10
Manganese, total	0.091	0.0050	mg/L	EPA 200.7	29-Mar-10
Mercury, total	0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
Nickel, total	0.019	0.010	mg/L	EPA 200.7	29-Mar-10
Potassium, total	5.6	0.50	mg/L	EPA 200.7	29-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
Sodium, total	77.6	1.0	mg/L	EPA 200.7	29-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
Vanadium, total	0.050	0.0050	mg/L	EPA 200.7	29-Mar-10
Zinc, total	0.62	0.010	mg/L	EPA 200.7	29-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006840



# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 15:20  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Waste Water

2H-13

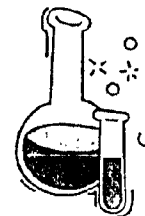
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
<i>Aluminum, dissolved</i>	0.11	0.050	mg/L	EPA 200.7	29-Mar-10
<i>Antimony, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Arsenic, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Barium, dissolved</i>	0.52	0.010	mg/L	EPA 200.7	29-Mar-10
<i>Beryllium, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
<i>Boron, dissolved</i>	< 0.050	0.050	mg/L	EPA 200.7	29-Mar-10
<i>Cadmium, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
<i>Calcium, dissolved</i>	31.8	1.0	mg/L	EPA 200.7	29-Mar-10
<i>Chromium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Cobalt, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Copper, dissolved</i>	0.034	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Iron, dissolved</i>	0.062	0.050	mg/L	EPA 200.7	29-Mar-10
<i>Lead, dissolved</i>	0.071	0.0020	mg/L	EPA 200.7	29-Mar-10
<i>Magnesium, dissolved</i>	4.3	0.20	mg/L	EPA 200.7	29-Mar-10
<i>Manganese, dissolved</i>	0.032	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Mercury, dissolved</i>	< 0.00020	0.00020	mg/L	EPA 245.2	29-Mar-10
<i>Molybdenum, dissolved</i>	< 0.020	0.020	mg/L	EPA 200.7	29-Mar-10
<i>Nickel, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
<i>Potassium, dissolved</i>	2.4	0.50	mg/L	EPA 200.7	29-Mar-10
<i>Selenium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Silver, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	29-Mar-10
<i>Sodium, dissolved</i>	73.6	1.0	mg/L	EPA 200.7	29-Mar-10
<i>Thallium, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	29-Mar-10
<i>Vanadium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	29-Mar-10
<i>Zinc, dissolved</i>	0.12	0.010	mg/L	EPA 200.7	29-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006841

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 29, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

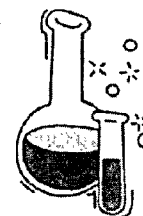
Date Sampled: 24-Mar-10  
Time Sampled: 15:20  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Waste Water

2H-13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006842

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 29, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 24-Mar-10  
Time Sampled: 15:20  
Date Received: 24-Mar-10  
Sampled by: Andy Mehalko/ URS

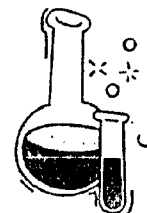
2H-13

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	6.73 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	24-Mar-10
TSS	42.0	mg/L	SM <sub>20</sub> 2540 D	25-Mar-10
TDS	200	mg/L	SM <sub>20</sub> 2540 C	25-Mar-10
Sulfide	< 25	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.080	mg/L	SM <sub>20</sub> 5540 C	26-Mar-10
Chloride	159	mg/L	ASTM D512-89(99)C	26-Mar-10
Total Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	24-Mar-10
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 D	24-Mar-10
				18:00

H sample received and analyzed out of EPA prescribed hold time.

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006843

# CHAIN OF CUSTODY

# QUANTUM

Phone (570) 489-6864

Page 1 of 1

Fax (570) 489-6955

## Special Requirements

PADEP ASTM TOLP  
PCRA CST FORM U  
FORM 23

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

Dickson City Industrial Park  
824 Enterprise Street  
Dickson City, PA 16834-1899

Other \_\_\_\_\_  
PH \_\_\_\_\_  
SAMPLING LOG NORMAL



DW Drinking Water  
GW Groundwater  
SW Surface Water  
WW Wastewater

## PROJECT:

Location Sample Description	Date Sampled	Time Sampled	Matrix	# of Cont./Size	PRSV / Cont. Type	Grab / Composite	ANALYSIS TO BE PERFORMED	Initials	PO #
[REDACTED]	3/24/10	10:15	Water	1			Asbestos		
[REDACTED]	3/24/10	10:15	Water	1			Asbestos		
[REDACTED]	3/24/10	10:15	Water	1			Asbestos		
[REDACTED]	3/24/10	10:15	Water	1			Asbestos		
[REDACTED]	3/24/10	10:15	Water	1			Asbestos		
[REDACTED]	3/24/10	10:15	Water	1			Asbestos		
[REDACTED]	3/24/10	10:15	Water	1			Asbestos		
[REDACTED]	3/24/10	10:15	Water	1			Asbestos		
[REDACTED]	3/24/10	10:15	Water	1			Asbestos		
[REDACTED]	3/24/10	10:15	Water	1			Asbestos		

## Comments:

Chain of Custody: [Signature]  
Date: 3/24/10 Time: 10:17  
Initials: [Signature]  
PO #:

CABOT-EPA 006844

DIM0227454

DIM0228077

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 9:20  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalke/ URS

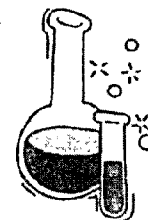
Matrix: Waste Water

2H-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, total	0.037	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, total	22.8	1.0	mg/L	EPA 200.7	30-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Iron, total	0.18	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	30-Mar-10
Magnesium, total	4.8	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, total	0.044	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Potassium, total	4.4	0.50	mg/L	EPA 200.7	30-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Sodium, total	80.0	1.0	mg/L	EPA 200.7	30-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006845

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

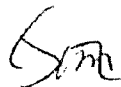
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 9:20  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

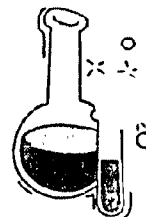
Matrix: Waste Water

2H-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, dissolved	0.044	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, dissolved	22.0	1.0	mg/L	EPA 200.7	30-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Iron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, dissolved	0.0022	0.0020	mg/L	EPA 200.7	30-Mar-10
Magnesium, dissolved	4.6	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, dissolved	0.033	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Potassium, dissolved	4.2	0.50	mg/L	EPA 200.7	30-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Sodium, dissolved	78.1	1.0	mg/L	EPA 200.7	30-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006846

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

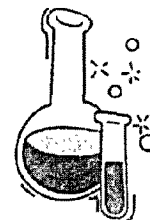
Date Sampled: 25-Mar-10  
Time Sampled: 9:20  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Waste Water

2H-14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006847

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 9:20  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

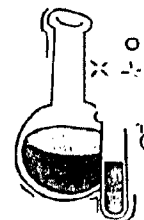
2H-14

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	7.10 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	25-Mar-10
TSS	3.5	mg/L	SM <sub>20</sub> 2540 D	26-Mar-10
TDS	180	mg/L	SM <sub>20</sub> 2540 C	26-Mar-10
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.040	mg/L	SM <sub>20</sub> 5540 C	26-Mar-10
Chloride	146	mg/L	ASTM D512-89(99)C	30-Mar-10
Total Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	25-Mar-10
Fecal Coliform	16 H	cfu/ 100 ml	SM <sub>20</sub> 9222 D	25-Mar-10 18:00

H sample received and analyzed out of EPA prescribed hold time.  
TNTC Too Numerous To Count

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006848



# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

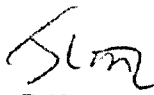
Date Sampled: 25-Mar-10  
Time Sampled: 9:40  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Solid

2H-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum	5000	8.9	mg/Kg	EPA 6010B	29-Mar-10
Antimony	< 0.45	0.45	mg/Kg	EPA 6010B	29-Mar-10
Arsenic	3.3	0.45	mg/Kg	EPA 6010B	29-Mar-10
Barium	32.4	1.8	mg/Kg	EPA 6010B	29-Mar-10
Beryllium	< 0.18	0.18	mg/Kg	EPA 6010B	29-Mar-10
Boron	< 4.5	4.5	mg/Kg	EPA 6010B	29-Mar-10
Cadmium	< 0.18	0.18	mg/Kg	EPA 6010B	29-Mar-10
Calcium	875	179	mg/Kg	EPA 6010B	29-Mar-10
Chromium	4.9	0.45	mg/Kg	EPA 6010B	29-Mar-10
Cobalt	2.9	0.89	mg/Kg	EPA 6010B	29-Mar-10
Copper	5.2	0.89	mg/Kg	EPA 6010B	29-Mar-10
Iron	7620	8.9	mg/Kg	EPA 6010B	29-Mar-10
Lead	9.1	0.45	mg/Kg	EPA 6010B	29-Mar-10
Magnesium	879	44.6	mg/Kg	EPA 6010B	29-Mar-10
Manganese	230	0.89	mg/Kg	EPA 6010B	29-Mar-10
Mercury	< 0.10	0.10	mg/Kg	EPA 7471	29-Mar-10
Molybdenum	< 1.8	1.8	mg/Kg	EPA 6010B	29-Mar-10
Nickel	4.2	1.8	mg/Kg	EPA 6010B	29-Mar-10
Potassium	516	44.6	mg/Kg	EPA 6010B	29-Mar-10
Selenium	0.45	0.45	mg/Kg	EPA 6010B	29-Mar-10
Silver	0.26	0.18	mg/Kg	EPA 6010B	29-Mar-10
Sodium	< 446	446	mg/Kg	EPA 6010B	29-Mar-10
Thallium	< 1.8	1.8	mg/Kg	EPA 6010B	29-Mar-10
Vanadium	7.8	0.89	mg/Kg	EPA 6010B	29-Mar-10
Zinc	31.3	0.89	mg/Kg	EPA 6010B	29-Mar-10

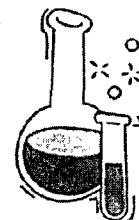
Results reported on a "wet-weight" basis

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006849

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 9:40  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalke/ URS

Matrix: Solid

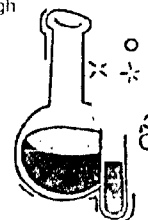
2H-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.172	0.012	mg/Kg	EPA 8260B	29-Mar-10
Benzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromodichloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromoform	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromomethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
2-Butanone	0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
Carbon Disulfide	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Carbon Tetrachloride	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chlorobenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloroform	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Dibromochloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
cis-1,2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
trans-1,2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloropropane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
cis-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
trans-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Ethylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
2-Hexanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
4-Methyl-2-pentanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
Styrene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,2,2-Tetrachloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Tetrachloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Toluene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,1-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,2-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Trichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Vinyl Chloride	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
m,p-Xylenes	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
o-Xylene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
n-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
sec-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Isopropylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
n-Propylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
p-Isopropyltoluene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10

Results reported on a "wet-weight" basis

One internal standard recovery associated with this sample exceeded the lower control limit. The reported results should be considered biased high

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006850

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

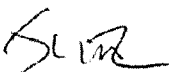
March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

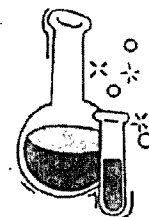
Date Sampled: 25-Mar-10  
Time Sampled: 9:40  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

2H-15

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
ASTM				
Sulfide	< 25	mg/L	EPA 376.2	30-Mar-10
MBAS	< 0.080	mg/L	SM <sub>20</sub> 5540 C	30-Mar-10
Chloride	14.1	mg/L	ASTM D512-89(99)C	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006851

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 9:55  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

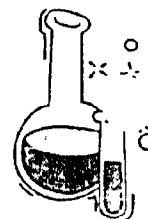
Matrix: Waste Water

2H-16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, total	0.037	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, total	22.2	1.0	mg/L	EPA 200.7	30-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Iron, total	0.14	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	30-Mar-10
Magnesium, total	4.8	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, total	0.053	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Potassium, total	4.6	0.50	mg/L	EPA 200.7	30-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Sodium, total	77.6	1.0	mg/L	EPA 200.7	30-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006852

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

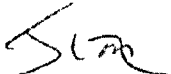
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 9:55  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

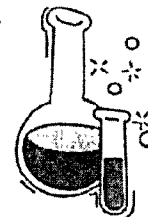
Matrix: Waste Water

2H-16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
<i>Aluminum, dissolved</i>	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
<i>Antimony, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Arsenic, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Barium, dissolved</i>	0.041	0.010	mg/L	EPA 200.7	30-Mar-10
<i>Beryllium, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
<i>Boron, dissolved</i>	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
<i>Cadmium, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
<i>Calcium, dissolved</i>	22.1	1.0	mg/L	EPA 200.7	30-Mar-10
<i>Chromium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Cobalt, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Copper, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Iron, dissolved</i>	0.14	0.050	mg/L	EPA 200.7	30-Mar-10
<i>Lead, dissolved</i>	< 0.0020	0.0020	mg/L	EPA 200.7	30-Mar-10
<i>Magnesium, dissolved</i>	4.8	0.20	mg/L	EPA 200.7	30-Mar-10
<i>Manganese, dissolved</i>	0.043	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Mercury, dissolved</i>	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
<i>Molybdenum, dissolved</i>	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
<i>Nickel, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
<i>Potassium, dissolved</i>	4.6	0.50	mg/L	EPA 200.7	30-Mar-10
<i>Selenium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Silver, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
<i>Sodium, dissolved</i>	77.1	1.0	mg/L	EPA 200.7	30-Mar-10
<i>Thallium, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
<i>Vanadium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Zinc, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006853

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

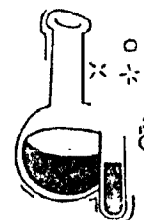
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Time Sampled: 9:55  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Waste Water

2H-16

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006854

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 30, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 9:55  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

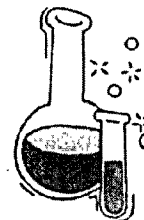
2H-16

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	7.24 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	25-Mar-10
TSS	< 2.0	mg/L	SM <sub>20</sub> 2540 D	26-Mar-10
TDS	208	mg/L	SM <sub>20</sub> 2540 C	26-Mar-10
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.020	mg/L	SM <sub>20</sub> 5540 C	26-Mar-10
Chloride	122	mg/L	ASTM D512-89(99)C	30-Mar-10
Total Coliform	292	cfu/ 100 ml	SM <sub>20</sub> 9222 B	25-Mar-10
Fecal Coliform	0 H	cfu/ 100 ml	SM <sub>20</sub> 9222 D	25-Mar-10 18:00

H sample received and analyzed out of EPA prescribed hold time.

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006855

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

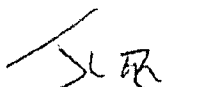
Date Sampled: 25-Mar-10  
Time Sampled: 10:10  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Solid

2H-17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum	2530	7.0	mg/Kg	EPA 6010B	29-Mar-10
Antimony	< 0.35	0.35	mg/Kg	EPA 6010B	29-Mar-10
Arsenic	1.9	0.35	mg/Kg	EPA 6010B	29-Mar-10
Barium	36.8	1.4	mg/Kg	EPA 6010B	29-Mar-10
Beryllium	< 0.14	0.14	mg/Kg	EPA 6010B	29-Mar-10
Boron	< 3.5	3.5	mg/Kg	EPA 6010B	29-Mar-10
Cadmium	< 0.14	0.14	mg/Kg	EPA 6010B	29-Mar-10
Calcium	428	141	mg/Kg	EPA 6010B	29-Mar-10
Chromium	2.6	0.35	mg/Kg	EPA 6010B	29-Mar-10
Cobalt	2.4	0.70	mg/Kg	EPA 6010B	29-Mar-10
Copper	3.9	0.70	mg/Kg	EPA 6010B	29-Mar-10
Iron	5460	7.0	mg/Kg	EPA 6010B	29-Mar-10
Lead	4.9	0.35	mg/Kg	EPA 6010B	29-Mar-10
Magnesium	648	35.2	mg/Kg	EPA 6010B	29-Mar-10
Manganese	541	0.70	mg/Kg	EPA 6010B	29-Mar-10
Mercury	< 0.094	0.094	mg/Kg	EPA 7471	29-Mar-10
Molybdenum	< 1.4	1.4	mg/Kg	EPA 6010B	29-Mar-10
Nickel	3.5	1.4	mg/Kg	EPA 6010B	29-Mar-10
Potassium	520	35.2	mg/Kg	EPA 6010B	29-Mar-10
Selenium	< 0.35	0.35	mg/Kg	EPA 6010B	29-Mar-10
Silver	0.24	0.14	mg/Kg	EPA 6010B	29-Mar-10
Sodium	< 352	352	mg/Kg	EPA 6010B	29-Mar-10
Thallium	< 1.4	1.4	mg/Kg	EPA 6010B	29-Mar-10
Vanadium	3.5	0.70	mg/Kg	EPA 6010B	29-Mar-10
Zinc	31.0	0.70	mg/Kg	EPA 6010B	29-Mar-10

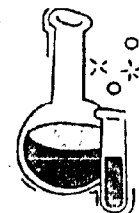
Results reported on a "wet-weight" basis

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006856



# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 10:10  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Solid

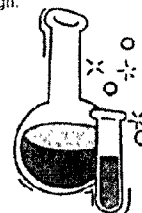
2H-17

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.268	0.012	mg/Kg	EPA 8260B	29-Mar-10
Benzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromodichloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromoform	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromomethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
2-Butanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
Carbon Disulfide	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Carbon Tetrachloride	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chlorobenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloroform	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Dibromochloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
cis-1,2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
trans-1,2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloropropane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
cis-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
trans-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Ethylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
2-Hexanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
4-Methyl-2-pentanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
Styrene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,2,2-Tetrachloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Tetrachloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Toluene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,1-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,2-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Trichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Vinyl Chloride	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
m,p-Xylenes	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
o-Xylene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
n-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
sec-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Isopropylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
n-Propylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
p-Isopropyltoluene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10

Results reported on a "wet-weight" basis

One internal standard recovery associated with this sample exceeded the lower control limit. The reported results should be considered biased high.

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006857

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**


March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

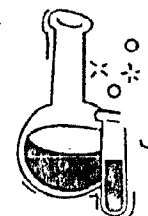
Date Sampled: 25-Mar-10  
Time Sampled: 10:10  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

2H-17

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
<b>ASTM</b>				
<i>Sulfide</i>	< 25	mg/L	EPA 376.2	30-Mar-10
<i>MBAS</i>	< 0.100	mg/L	SM <sub>20</sub> 5540 C	30-Mar-10
<i>Chloride</i>	17.8	mg/L	ASTM D512-89(99)C	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006858

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

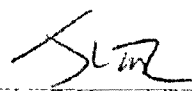
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Time Sampled: 10.45  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalke/ URS

Matrix: Solid

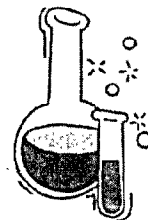
2H-18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum	7150	6.6	mg/Kg	EPA 6010B	29-Mar-10
Antimony	< 0.33	0.33	mg/Kg	EPA 6010B	29-Mar-10
Arsenic	5.3	0.33	mg/Kg	EPA 6010B	29-Mar-10
Barium	345	1.3	mg/Kg	EPA 6010B	29-Mar-10
Beryllium	0.33	0.13	mg/Kg	EPA 6010B	29-Mar-10
Boron	4.6	3.3	mg/Kg	EPA 6010B	29-Mar-10
Cadmium	< 0.13	0.13	mg/Kg	EPA 6010B	29-Mar-10
Calcium	1260	132	mg/Kg	EPA 6010B	29-Mar-10
Chromium	8.5	0.33	mg/Kg	EPA 6010B	29-Mar-10
Cobalt	5.7	0.66	mg/Kg	EPA 6010B	29-Mar-10
Copper	11.6	0.66	mg/Kg	EPA 6010B	29-Mar-10
Iron	12300	6.6	mg/Kg	EPA 6010B	29-Mar-10
Lead	21.4	0.33	mg/Kg	EPA 6010B	29-Mar-10
Magnesium	1730	32.9	mg/Kg	EPA 6010B	29-Mar-10
Manganese	571	0.66	mg/Kg	EPA 6010B	29-Mar-10
Mercury	< 0.092	0.092	mg/Kg	EPA 7471	30-Mar-10
Molybdenum	< 1.3	1.3	mg/Kg	EPA 6010B	29-Mar-10
Nickel	10	1.3	mg/Kg	EPA 6010B	29-Mar-10
Potassium	993	32.9	mg/Kg	EPA 6010B	29-Mar-10
Selenium	< 0.33	0.33	mg/Kg	EPA 6010B	29-Mar-10
Silver	0.34	0.13	mg/Kg	EPA 6010B	29-Mar-10
Sodium	< 329	329	mg/Kg	EPA 6010B	29-Mar-10
Thallium	< 1.3	1.3	mg/Kg	EPA 6010B	29-Mar-10
Vanadium	10.1	0.66	mg/Kg	EPA 6010B	29-Mar-10
Zinc	99.7	0.66	mg/Kg	EPA 6010B	29-Mar-10

Results reported on a "wet-weight" basis

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006859

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 10:45  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

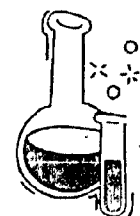
Matrix: Solid

2H-18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.180	0.011	mg/Kg	EPA 8260B	29-Mar-10
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromoform	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromomethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
2-Butanone	< 0.011	0.011	mg/Kg	EPA 8260B	29-Mar-10
Carbon Disulfide	0.008	0.005	mg/Kg	EPA 8260B	29-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chlorobenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chloroform	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chloromethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
2-Hexanone	< 0.011	0.011	mg/Kg	EPA 8260B	29-Mar-10
4-Methyl-2-pentanone	< 0.011	0.011	mg/Kg	EPA 8260B	29-Mar-10
Styrene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Toluene	0.014	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Trichloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Vinyl Chloride	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
m,p-Xylenes	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
o-Xylene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10

Results reported on a "wet-weight" basis

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006860

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

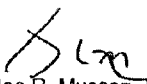
March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

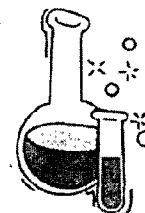
Date Sampled: 25-Mar-10  
Time Sampled: 10:45  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

2H-18

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
<b>ASTM</b>				
Sulfide	< 25	mg/L	EPA 376.2	30-Mar-10
MBAS	< 0.200	mg/L	SM <sub>20</sub> 5540 C	30-Mar-10
Chloride	10.4	mg/L	ASTM D512-89(99)C	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006861

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 11:45  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Waste Water

2H-19

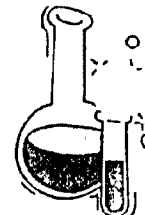
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	0.50	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, total	0.11	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, total	39.6	1.0	mg/L	EPA 200.7	30-Mar-10
Chromium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Iron, total	0.56	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, total	< 0.0020	0.0020	mg/L	EPA 200.7	30-Mar-10
Magnesium, total	6.8	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, total	0.086	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Potassium, total	4.3	0.50	mg/L	EPA 200.7	30-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Sodium, total	221	1.0	mg/L	EPA 200.7	30-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Vanadium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, total	0.013	0.010	mg/L	EPA 200.7	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006862

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 11:45  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

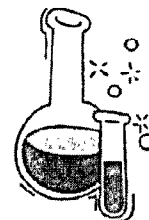
Matrix: Waste Water

2H-19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, dissolved	0.0053	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, dissolved	0.083	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, dissolved	36.8	1.0	mg/L	EPA 200.7	30-Mar-10
Chromium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobalt, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Iron, dissolved	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, dissolved	< 0.0020	0.0020	mg/L	EPA 200.7	30-Mar-10
Magnesium, dissolved	6.4	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, dissolved	0.037	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, dissolved	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, dissolved	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
Nickel, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Potassium, dissolved	3.8	0.50	mg/L	EPA 200.7	30-Mar-10
Selenium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Silver, dissolved	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Sodium, dissolved	192	1.0	mg/L	EPA 200.7	30-Mar-10
Thallium, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Vanadium, dissolved	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, dissolved	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006863

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

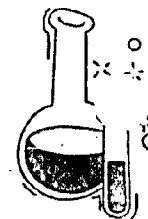
Date Sampled: 25-Mar-10  
Time Sampled: 11:45  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Waste Water

2H-19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006864



# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 30 2010

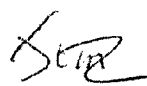
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 11:45  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

2H-19

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	7.05 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	25-Mar-10
TSS	11.0	mg/L	SM <sub>20</sub> 2540 D	26-Mar-10
TDS	632	mg/L	SM <sub>20</sub> 2540 C	26-Mar-10
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10
MBAS	0.034	mg/L	SM <sub>20</sub> 5540 C	26-Mar-10
Chloride	390	mg/L	ASTM D512-89(99)C	30-Mar-10
Total Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	25-Mar-10
Fecal Coliform	50	cfu/ 100 ml	SM <sub>20</sub> 9222 D	25-Mar-10
				18.00

H sample received and analyzed out of EPA prescribed hold time.  
TNTC To Numerous To Count

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006865

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220


Date Sampled: 25-Mar-10  
Time Sampled: 12:00  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Solid

2H-20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum	5430	7.5	mg/Kg	EPA 6010B	29-Mar-10
Antimony	0.59	0.37	mg/Kg	EPA 6010B	29-Mar-10
Arsenic	5.2	0.37	mg/Kg	EPA 6010B	29-Mar-10
Barium	129	1.5	mg/Kg	EPA 6010B	29-Mar-10
Beryllium	0.27	0.15	mg/Kg	EPA 6010B	29-Mar-10
Boron	4.2	3.7	mg/Kg	EPA 6010B	29-Mar-10
Cadmium	< 0.15	0.15	mg/Kg	EPA 6010B	29-Mar-10
Calcium	3550	149	mg/Kg	EPA 6010B	29-Mar-10
Chromium	7.6	0.37	mg/Kg	EPA 6010B	29-Mar-10
Cobalt	5.4	0.75	mg/Kg	EPA 6010B	29-Mar-10
Copper	9.2	0.75	mg/Kg	EPA 6010B	29-Mar-10
Iron	15100	7.5	mg/Kg	EPA 6010B	29-Mar-10
Lead	11.0	0.37	mg/Kg	EPA 6010B	29-Mar-10
Magnesium	1940	37.3	mg/Kg	EPA 6010B	29-Mar-10
Manganese	435	0.75	mg/Kg	EPA 6010B	29-Mar-10
Mercury	< 0.097	0.097	mg/Kg	EPA 7471	30-Mar-10
Molybdenum	< 1.5	1.5	mg/Kg	EPA 6010B	29-Mar-10
Nickel	10.0	1.5	mg/Kg	EPA 6010B	29-Mar-10
Potassium	816	37.3	mg/Kg	EPA 6010B	29-Mar-10
Selenium	< 0.37	0.37	mg/Kg	EPA 6010B	29-Mar-10
Silver	0.49	0.15	mg/Kg	EPA 6010B	29-Mar-10
Sodium	< 373	373	mg/Kg	EPA 6010B	29-Mar-10
Thallium	< 1.5	1.5	mg/Kg	EPA 6010B	29-Mar-10
Vanadium	9.1	0.75	mg/Kg	EPA 6010B	29-Mar-10
Zinc	148	0.75	mg/Kg	EPA 6010B	29-Mar-10

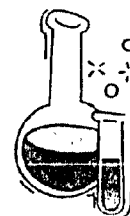
Results reported on a "wet-weight" basis

  
Joe R. Mussart, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593

PHONE: (570) 489-6964

FAX: (570) 489-6965



CABOT-EPA 006866

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 12:00  
Date Received: 25-Mar-10  
Sampled by: Andy Mohalko/ URS

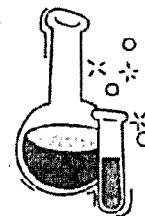
Matrix: Solid

2H-20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.124	0.009	mg/Kg	EPA 8260B	29-Mar-10
Benzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromoform	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Bromomethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
2-Butanone	< 0.009	0.009	mg/Kg	EPA 8260B	29-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chlorobenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chloroform	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Chloromethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Ethylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
2-Hexanone	< 0.009	0.009	mg/Kg	EPA 8260B	29-Mar-10
4-Methyl-2-pentanone	< 0.009	0.009	mg/Kg	EPA 8260B	29-Mar-10
Styrene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Tetrachloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Toluene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Trichloroethene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Vinyl Chloride	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
m,p-Xylenes	< 0.009	0.009	mg/Kg	EPA 8260B	29-Mar-10
o-Xylene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/Kg	EPA 8260B	29-Mar-10

Results reported on a "wet-weight" basis

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006867

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

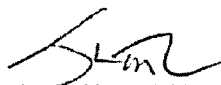
March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

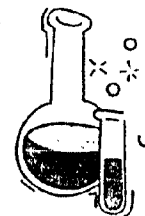
Date Sampled: 25-Mar-10  
Time Sampled: 12:00  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

2H-20

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
ASTM				
Sulfide	< 25	mg/L	EPA 376.2	30-Mar-10
MBAS	< 0.100	mg/L	SM <sub>20</sub> 5540 C	30-Mar-10
Chloride	7.38	mg/L	ASTM D512-89(99)C	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
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CABOT-EPA 006868

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 12:20  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

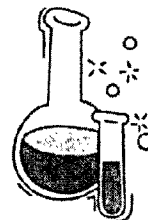
Matrix: Waste Water

2H-21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum, total	3.0	0.050	mg/L	EPA 200.7	30-Mar-10
Antimony, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Arsenic, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Barium, total	1.8	0.010	mg/L	EPA 200.7	30-Mar-10
Beryllium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Boron, total	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
Cadmium, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Calcium, total	31.4	1.0	mg/L	EPA 200.7	30-Mar-10
Chromium, total	0.0051	0.0050	mg/L	EPA 200.7	30-Mar-10
Cobalt, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Copper, total	0.013	0.0050	mg/L	EPA 200.7	30-Mar-10
Iron, total	3.5	0.050	mg/L	EPA 200.7	30-Mar-10
Lead, total	0.021	0.0020	mg/L	EPA 200.7	30-Mar-10
Magnesium, total	4.8	0.20	mg/L	EPA 200.7	30-Mar-10
Manganese, total	0.24	0.0050	mg/L	EPA 200.7	30-Mar-10
Mercury, total	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
Molybdenum, total	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
Nickel, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Potassium, total	3.1	0.50	mg/L	EPA 200.7	30-Mar-10
Selenium, total	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
Silver, total	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
Sodium, total	103	1.0	mg/L	EPA 200.7	30-Mar-10
Thallium, total	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
Vanadium, total	0.0069	0.0050	mg/L	EPA 200.7	30-Mar-10
Zinc, total	0.020	0.010	mg/L	EPA 200.7	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 006869

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 12:20  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

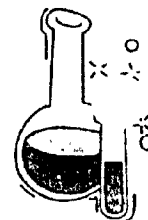
Matrix: Waste Water

2H-21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
<i>Aluminum, dissolved</i>	0.085	0.050	mg/L	EPA 200.7	30-Mar-10
<i>Antimony, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Arsenic, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Barium, dissolved</i>	0.42	0.010	mg/L	EPA 200.7	30-Mar-10
<i>Beryllium, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
<i>Boron, dissolved</i>	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
<i>Cadmium, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
<i>Calcium, dissolved</i>	28.7	1.0	mg/L	EPA 200.7	30-Mar-10
<i>Chromium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Cobalt, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Copper, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Iron, dissolved</i>	< 0.050	0.050	mg/L	EPA 200.7	30-Mar-10
<i>Lead, dissolved</i>	0.0022	0.0020	mg/L	EPA 200.7	30-Mar-10
<i>Magnesium, dissolved</i>	4.1	0.20	mg/L	EPA 200.7	30-Mar-10
<i>Manganese, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Mercury, dissolved</i>	< 0.00020	0.00020	mg/L	EPA 245.2	30-Mar-10
<i>Molybdenum, dissolved</i>	< 0.020	0.020	mg/L	EPA 200.7	30-Mar-10
<i>Nickel, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
<i>Potassium, dissolved</i>	2.2	0.50	mg/L	EPA 200.7	30-Mar-10
<i>Selenium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Silver, dissolved</i>	< 0.0010	0.0010	mg/L	EPA 200.7	30-Mar-10
<i>Sodium, dissolved</i>	99.2	1.0	mg/L	EPA 200.7	30-Mar-10
<i>Thallium, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10
<i>Vanadium, dissolved</i>	< 0.0050	0.0050	mg/L	EPA 200.7	30-Mar-10
<i>Zinc, dissolved</i>	< 0.010	0.010	mg/L	EPA 200.7	30-Mar-10

  
Joe R. Mussari, III  
Laboratory Director

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006870

# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 12.20  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Waste Water

2H-21

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Benzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromodichloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromoform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Bromomethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Butanone	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
Carbon Disulfide	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Carbon Tetrachloride	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chlorobenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloroform	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Chloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Dibromochloromethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,2-Dichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,2-Dichloropropane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
cis-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
trans-1,3-Dichloropropene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Ethylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
2-Hexanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
4-Methyl-2-pentanone	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Styrene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Tetrachloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Toluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,1-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
1,1,2-Trichloroethane	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Trichloroethene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Vinyl Chloride	< 0.002	0.002	mg/L	EPA 8260B	26-Mar-10
m,p-Xylenes	< 0.010	0.010	mg/L	EPA 8260B	26-Mar-10
o-Xylene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
sec-Butylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
Isopropylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
n-Propylbenzene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10
p-Isopropyltoluene	< 0.005	0.005	mg/L	EPA 8260B	26-Mar-10

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 006871

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

March 30, 2010

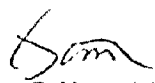
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 12:20  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

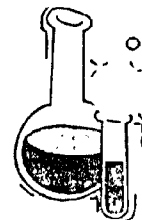
2H-21

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
pH	7.25 H	pH units	SM <sub>20</sub> 4500 H <sup>+</sup> B	25-Mar-10
TSS	62.0	mg/L	SM <sub>20</sub> 2540 D	26-Mar-10
TDS	328	mg/L	SM <sub>20</sub> 2540 C	26-Mar-10
Sulfide	< 5	mg/L	EPA 376.2	29-Mar-10
MBAS	< 0.040	mg/L	SM <sub>20</sub> 5540 C	26-Mar-10
Chloride	170	mg/L	ASTM D512-89(99)C	30-Mar-10
Total Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	25-Mar-10
Fecal Coliform	14	cfu/ 100 ml	SM <sub>20</sub> 9222 D	25-Mar-10
				18:00

H sample received and analyzed out of EPA prescribed hold time.  
TNTC To Numerous To Count

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006872



# QUANTUM

## ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220


Date Sampled: 25-Mar-10  
Time Sampled: 12:35  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Solid

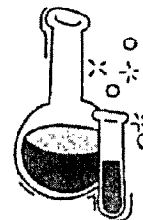
2H-22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Aluminum	3290	8.3	mg/Kg	EPA 6010B	29-Mar-10
Antimony	< 0.42	0.42	mg/Kg	EPA 6010B	29-Mar-10
Arsenic	5.6	0.42	mg/Kg	EPA 6010B	29-Mar-10
Barium	208	1.7	mg/Kg	EPA 6010B	29-Mar-10
Beryllium	< 0.17	0.17	mg/Kg	EPA 6010B	29-Mar-10
Boron	< 4.2	4.2	mg/Kg	EPA 6010B	29-Mar-10
Cadmium	< 0.17	0.17	mg/Kg	EPA 6010B	29-Mar-10
Calcium	1030	167	mg/Kg	EPA 6010B	29-Mar-10
Chromium	4.2	0.42	mg/Kg	EPA 6010B	29-Mar-10
Cobalt	3.0	0.83	mg/Kg	EPA 6010B	29-Mar-10
Copper	5.3	0.83	mg/Kg	EPA 6010B	29-Mar-10
Iron	6390	8.3	mg/Kg	EPA 6010B	29-Mar-10
Lead	9.7	0.42	mg/Kg	EPA 6010B	29-Mar-10
Magnesium	609	41.7	mg/Kg	EPA 6010B	29-Mar-10
Manganese	256	0.83	mg/Kg	EPA 6010B	29-Mar-10
Mercury	< 0.094	0.094	mg/Kg	EPA 7471	30-Mar-10
Molybdenum	< 1.7	1.7	mg/Kg	EPA 6010B	29-Mar-10
Nickel	3.8	1.7	mg/Kg	EPA 6010B	29-Mar-10
Potassium	352	41.7	mg/Kg	EPA 6010B	29-Mar-10
Selenium	0.54	0.42	mg/Kg	EPA 6010B	29-Mar-10
Silver	0.28	0.17	mg/Kg	EPA 6010B	29-Mar-10
Sodium	< 417	417	mg/Kg	EPA 6010B	29-Mar-10
Thallium	< 1.7	1.7	mg/Kg	EPA 6010B	29-Mar-10
Vanadium	6.7	0.83	mg/Kg	EPA 6010B	29-Mar-10
Zinc	20.0	0.83	mg/Kg	EPA 6010B	29-Mar-10

Results reported on a "wet-weight" basis

  
Joe R. Mussari, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006873

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 25-Mar-10  
Time Sampled: 12:35  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

Matrix: Solid

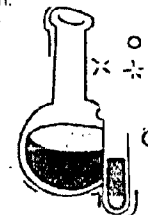
2H-22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	ANALYZED
Acetone	0.142	0.012	mg/Kg	EPA 8260B	29-Mar-10
Benzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromodichloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromoform	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Bromomethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
2-Butanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
Carbon Disulfide	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Carbon Tetrachloride	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chlorobenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloroform	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Chloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Dibromochloromethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
cis-1,2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
trans-1,2-Dichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,2-Dichloropropane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
cis-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
trans-1,3-Dichloropropene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Ethylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
2-Hexanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
4-Methyl-2-pentanone	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
Styrene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,2,2-Tetrachloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Tetrachloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Toluene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,1-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
1,1,2-Trichloroethane	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Trichloroethene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Vinyl Chloride	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
m,p-Xylenes	< 0.012	0.012	mg/Kg	EPA 8260B	29-Mar-10
o-Xylene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
n-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
sec-Butylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
Isopropylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
n-Propylbenzene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10
p-Isopropyltoluene	< 0.006	0.006	mg/Kg	EPA 8260B	29-Mar-10

Results reported on a "wet-weight" basis

The internal standard recoveries associated with this sample exceed the lower control limit. The reported results should be considered biased high.

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006874

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

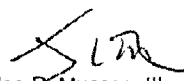
March 30, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

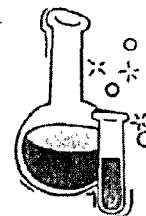
Date Sampled: 25-Mar-10  
Time Sampled: 12.35  
Date Received: 25-Mar-10  
Sampled by: Andy Mehalko/ URS

2H-22

PARAMETER	RESULT	UNITS	METHOD	ANALYZED
<b>ASTM</b>				
Sulfide	< 25	mg/L	EPA 376.2	30-Mar-10
MBAS	< 0.200	mg/L	SM <sub>20</sub> 5540 C	30-Mar-10
Chloride	30.2	mg/L	ASTM D512-89(99)C	30-Mar-10

  
Joe R. Mussan, III  
Laboratory Director

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 006875

# CHAIN OF CUSTODY

## Special Requirements

PA DFP ASTM TOLP

RCFA UST FORM 43

Other: \_\_\_\_\_

Oil Temp \_\_\_\_\_

EXT RUSH 2 DAY NORMAL

## PROJECT:

Location  
Sample Description



# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

Dickson City Industrial Park

524 Enterprise Street

Dickson City, PA 16819-1993

DW - Drinking Water

GW - Ground Water

SW - Surface Water

WW - Waste Water

SL - Sediment

SO - Soil

H2 - Hazardous

Other: \_\_\_\_\_

Phone: (570) 489-6964

Page 1 of 1

Fax: (570) 489-6965

Report to: James Pinta Cuescorp.com

Andy - Mchello Cuescorp.com

Amelia - Bogue Cuescorp.com

Contact: David - Testa Cuescorp.com

Phone: 412 503-4700 Fax: 412 503-4701

By: David - Testa Cuescorp.com

Matrix	# of Cont / Size	PRSV / Cont Type	Grab / Composite	WGL / TEL	W. Only / Borehole	Canine, n-pipe / Borehole	TAL Metals (Pb)	TAL Metals (Cd)	Pb, TDS, TSS	Chloride / Sulfide / Nitrate	Other Work (Lab)	Total Coliform	Fecal Coliform
24-14	✓ 9	G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24-15	✓ 5	G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24-16	✓ 9	G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24-17	✓ 5	G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24-18	✓ 5	G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24-19	✓ 9	G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24-20	✓ 5	G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24-21	✓ 9	G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24-22	✓ 4	G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## Comments:

2 Day TAT

Sampler: Andy Lh

Shipped: \_\_\_\_\_

Hand Delivered: \_\_\_\_\_

Relinquished By: Andy Lh

Date: 3/25/10

Time: \_\_\_\_\_

Received By: Ralph Polackis

Date: 3-25-10

Time: 1:508

Relinquished By: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received By: Bethy R.L

Date: 3-25-10

Time: 1750



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

June 11, 2010

Mr. Jim Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

RE: Project: [REDACTED] 2H/4H  
Pace Project No.: 3027040

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 04, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com  
Project Manager

Enclosures

#### REPORT OF LABORATORY ANALYSIS

Page 1 of 54

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CABOT-EPA 006877



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## CERTIFICATIONS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027040

### Pennsylvania Certification IDs

1638 Roseytown Road Suites 2,3&4 Greensburg, PA  
15601  
Wyoming Certification #: 8TMS-Q  
Wisconsin/PADEP Certification  
West Virginia Certification #: 143  
Washington Certification #: C1941  
Virginia Certification #: 00112  
Virgin Island/PADEP Certification  
Utah/NELAC Certification #: ANTE  
Texas/NELAC Certification #: T104704188-09 TX  
Tennessee Certification #: TN2867  
South Dakota Certification  
Puerto Rico Certification #: PA01457  
Pennsylvania/NELAC Certification #: 65-00282  
Oregon/NELAC Certification #: PA200002  
North Carolina Certification #: 42706  
New York/NELAC Certification #: 10888  
New Mexico Certification  
New Jersey/NELAC Certification #: PA 051  
New Hampshire/NELAC Certification #: 2976  
Nevada Certification  
Montana Certification #: Cert 0082  
Missouri Certification #: 235

Michigan/PADEP Certification  
Massachusetts Certification #: M-PA1457  
Maryland Certification #: 308  
Maine Certification #: PA0091  
Louisiana/NELAC Certification #: LA080002  
Louisiana/NELAC Certification #: 4086  
Kentucky Certification #: 90133  
Kansas/NELAC Certification #: E-10358  
Iowa Certification #: 391  
Indiana/PADEP Certification  
Illinois/PADEP Certification  
Idaho Certification  
Hawaii/PADEP Certification  
Guam/PADEP Certification  
Florida/NELAC Certification #: E87683  
Delaware Certification  
Connecticut Certification #: PH 0694  
Colorado Certification  
California/NELAC Certification #: 04222CA  
Arkansas Certification  
Arizona Certification #: AZ0734  
Alabama Certification #: 41590

## REPORT OF LABORATORY ANALYSIS

Page 2 of 54

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CABOT-EPA 006878

### SAMPLE ANALYTE COUNT

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027040

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027040001	[REDACTED] 2H/4H-R.PIT	EPA 6010B	SAB	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
3027040002	[REDACTED] 2H/4H-R.PIT	EPA 6010B	SAB	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	AC	1	PASI-PA
3027040003	[REDACTED] 2H/4H-SUMP	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JAS	54	PASI-PA
3027040004	[REDACTED] 2H/4H-H.D. WELL	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JAS	54	PASI-PA

### REPORT OF LABORATORY ANALYSIS

Page 3 of 54

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Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027040

Sample: 2H/4H-R.PIT Lab ID: 3027040001 Collected: 05/01/10 01:00 Received: 05/04/10 12:40 Matrix: Solid

Results reported on a "dry-weight" basis

Comments • One internal standard recovery associated with this sample exceed the lower control limit. The reported results should be considered biased high.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	14800	mg/kg	31.5	1	05/05/10 16:16	05/06/10 11:26	7429-90-5	
Antimony	3.9	mg/kg	1.6	1	05/05/10 16:16	05/06/10 11:26	7440-36-0	
Arsenic	19.3	mg/kg	1.6	1	05/05/10 16:16	05/06/10 11:26	7440-38-2	
Barium	37500	mg/kg	62.9	10	05/05/10 16:16	05/06/10 13:19	7440-39-3	
Beryllium	0.92	mg/kg	0.63	1	05/05/10 16:16	05/06/10 11:26	7440-41-7	
Boron	26.2	mg/kg	15.7	1	05/05/10 16:16	05/06/10 11:26	7440-42-8	
Cadmium	1.1	mg/kg	0.63	1	05/05/10 16:16	05/06/10 11:26	7440-43-9	
Calcium	17400	mg/kg	629	1	05/05/10 16:16	05/06/10 11:26	7440-70-2	
Chromium	34.5	mg/kg	1.6	1	05/05/10 16:16	05/06/10 11:26	7440-47-3	
Cobalt	14.0	mg/kg	3.1	1	05/05/10 16:16	05/06/10 11:26	7440-48-4	
Copper	64.6	mg/kg	3.1	1	05/05/10 16:16	05/06/10 11:26	7440-50-8	
Iron	25700	mg/kg	31.5	1	05/05/10 16:16	05/06/10 11:26	7439-89-6	
Lead	216	mg/kg	1.6	1	05/05/10 16:16	05/06/10 11:26	7439-92-1	
Magnesium	4490	mg/kg	157	1	05/05/10 16:16	05/06/10 11:26	7439-95-4	
Manganese	551	mg/kg	3.1	1	05/05/10 16:16	05/06/10 11:26	7439-96-5	
Molybdenum	20.1	mg/kg	6.3	1	05/05/10 16:16	05/06/10 11:26	7439-98-7	
Nickel	46.7	mg/kg	6.3	1	05/05/10 16:16	05/06/10 11:26	7440-02-0	
Potassium	4900	mg/kg	157	1	05/05/10 16:16	05/06/10 11:26	7440-09-7	
Selenium	ND	mg/kg	1.6	1	05/05/10 16:16	05/06/10 11:26	7782-49-2	
Silver	0.60	mg/kg	0.63	1	05/05/10 16:16	05/06/10 11:26	7440-22-4	
Sodium	4350	mg/kg	1570	1	05/05/10 16:16	05/06/10 11:26	7440-23-5	
Thallium	ND	mg/kg	6.3	1	05/05/10 16:16	05/06/10 11:26	7440-28-0	
Vanadium	40.1	mg/kg	3.1	1	05/05/10 16:16	05/06/10 11:26	7440-62-2	
Zinc	138	mg/kg	3.1	1	05/05/10 16:16	05/06/10 11:26	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.41	1	05/05/10 11:12	05/06/10 10:35	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	83-32-9	
Acenaphthylene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	208-96-8	
Anthracene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	120-12-7	
Azobenzene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	103-33-3	
Benzo(a)anthracene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	56-55-3	
Benzo(a)pyrene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	207-08-9	
Benzoic acid	ND	ug/kg	10100	1	05/04/10 19:46	05/07/10 16:38	65-85-0	
Benzyl alcohol	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	101-55-3	
Butylbenzylphthalate	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	85-68-7	
Carbazole	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	86-74-8	

Date: 06/11/2010 05:17 PM

## REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006880





Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027040

Sample: 2H/4H-R.PIT Lab ID: 3027040001 Collected: 05/01/10 01:00 Received: 05/04/10 12:40 Matrix: Solid

Results reported on a "dry-weight" basis

Comments: • One internal standard recovery associated with this sample exceed the lower control limit. The reported results should be considered biased high.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
4-Chloro-3-methylphenol	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	59-50-7	
4-Chloroaniline	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	108-60-1	
2-Chloronaphthalene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	91-58-7	
2-Chlorophenol	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	7005-72-3	
Chrysene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	53-70-3	
Dibenzofuran	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	132-84-9	
1,2-Dichlorobenzene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	120-83-2	
Diethylphthalate	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	105-67-9	
Dimethylphthalate	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	131-11-3	
Di-n-butylphthalate	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	10100	1	05/04/10 19:46	05/07/10 16:38	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	10100	1	05/04/10 19:46	05/07/10 16:38	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	606-20-2	
Di-n-octylphthalate	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	117-81-7	
Fluoranthene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	206-44-0	
Fluorene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	87-68-3	
Hexachlorobenzene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	77-47-4	
Hexachloroethane	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	193-39-5	
Isophorone	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	78-59-1	
1-Methylnaphthalene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	90-12-0	
2-Methylnaphthalene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	8070	1	05/04/10 19:46	05/07/10 16:38		
Naphthalene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	91-20-3	
2-Nitroaniline	ND	ug/kg	10100	1	05/04/10 19:46	05/07/10 16:38	88-74-4	
3-Nitroaniline	ND	ug/kg	10100	1	05/04/10 19:46	05/07/10 16:38	99-09-2	
4-Nitroaniline	ND	ug/kg	10100	1	05/04/10 19:46	05/07/10 16:38	100-01-6	
Nitrobenzene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	98-95-3	

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CABOT-EPA 006881



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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027040

Sample: 2H/4H-R.PIT Lab ID: 3027040001 Collected: 05/01/10 01:00 Received: 05/04/10 12:40 Matrix: Solid

Results reported on a "dry-weight" basis

Comments: • One internal standard recovery associated with this sample exceed the lower control limit. The reported results should be considered biased high.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
2-Nitrophenol	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	88-75-5	
4-Nitrophenol	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	86-30-6	
Pentachlorophenol	ND	ug/kg	10100	1	05/04/10 19:46	05/07/10 16:38	87-86-5	
Phenanthrene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	85-01-8	
Phenol	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	108-95-2	
Pyrene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	10100	1	05/04/10 19:46	05/07/10 16:38	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	4040	1	05/04/10 19:46	05/07/10 16:38	88-06-2	
Nitrobenzene-d5 (S)	44	%	35-114	1	05/04/10 19:46	05/07/10 16:38	4165-60-0	
2-Fluorobiphenyl (S)	45	%	43-116	1	05/04/10 19:46	05/07/10 16:38	321-60-8	
Terphenyl-d14 (S)	37	%	33-141	1	05/04/10 19:46	05/07/10 16:38	1718-51-0	
Phenol-d6 (S)	44	%	10-110	1	05/04/10 19:46	05/07/10 16:38	13127-88-3	
2-Fluorophenol (S)	48	%	21-110	1	05/04/10 19:46	05/07/10 16:38	367-12-4	
2,4,6-Tribromophenol (S)	42	%	10-123	1	05/04/10 19:46	05/07/10 16:38	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	1760	ug/kg	86.3	1	05/04/10 18:05	67-64-1	
Benzene	ND	ug/kg	43.1	1	05/04/10 18:05	71-43-2	
Bromochloromethane	ND	ug/kg	43.1	1	05/04/10 18:05	74-97-5	
Bromodichloromethane	ND	ug/kg	43.1	1	05/04/10 18:05	75-27-4	
Bromoform	ND	ug/kg	43.1	1	05/04/10 18:05	75-25-2	
Bromomethane	ND	ug/kg	43.1	1	05/04/10 18:05	74-83-9	
TOTAL BTEX	ND	ug/kg	259	1	05/04/10 18:05		
2-Butanone (MEK)	ND	ug/kg	86.3	1	05/04/10 18:05	78-93-3	
n-Butylbenzene	ND	ug/kg	43.1	1	05/04/10 18:05	104-51-8	
sec-Butylbenzene	106	ug/kg	43.1	1	05/04/10 18:05	135-98-8	
Carbon disulfide	ND	ug/kg	43.1	1	05/04/10 18:05	75-15-0	
Carbon tetrachloride	ND	ug/kg	43.1	1	05/04/10 18:05	56-23-5	
Chlorobenzene	ND	ug/kg	43.1	1	05/04/10 18:05	108-90-7	
Chloroethane	ND	ug/kg	43.1	1	05/04/10 18:05	75-00-3	
Chloroform	ND	ug/kg	43.1	1	05/04/10 18:05	67-66-3	
Chloromethane	ND	ug/kg	43.1	1	05/04/10 18:05	74-87-3	
Dibromochloromethane	ND	ug/kg	43.1	1	05/04/10 18:05	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	43.1	1	05/04/10 18:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	43.1	1	05/04/10 18:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	43.1	1	05/04/10 18:05	106-46-7	
1,1-Dichloroethane	ND	ug/kg	43.1	1	05/04/10 18:05	75-34-3	
1,2-Dichloroethane	ND	ug/kg	43.1	1	05/04/10 18:05	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	86.3	1	05/04/10 18:05	540-59-0	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No: 3027040

Sample: [REDACTED] 2H/4H-R.PIT Lab ID: 3027040001 Collected: 05/01/10 01:00 Received: 05/04/10 12:40 Matrix: Solid

Results reported on a "dry-weight" basis

Comments: • One internal standard recovery associated with this sample exceed the lower control limit. The reported results should be considered biased high

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
1,1-Dichloroethene	ND	ug/kg	43.1	1		05/04/10 18:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	43.1	1		05/04/10 18:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	43.1	1		05/04/10 18:05	156-60-5	
1,2-Dichloropropane	ND	ug/kg	43.1	1		05/04/10 18:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	43.1	1		05/04/10 18:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	43.1	1		05/04/10 18:05	10061-02-6	
Ethylbenzene	ND	ug/kg	43.1	1		05/04/10 18:05	100-41-4	
2-Hexanone	ND	ug/kg	86.3	1		05/04/10 18:05	591-78-6	
Isopropylbenzene (Cumene)	72.8	ug/kg	43.1	1		05/04/10 18:05	98-82-8	
p-Isopropyltoluene	260	ug/kg	43.1	1		05/04/10 18:05	99-87-6	
Methylene Chloride	ND	ug/kg	43.1	1		05/04/10 18:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	86.3	1		05/04/10 18:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	43.1	1		05/04/10 18:05	1634-04-4	
Naphthalene	ND	ug/kg	43.1	1		05/04/10 18:05	91-20-3	
n-Propylbenzene	ND	ug/kg	43.1	1		05/04/10 18:05	103-65-1	
Styrene	ND	ug/kg	43.1	1		05/04/10 18:05	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	43.1	1		05/04/10 18:05	79-34-5	
Tetrachloroethene	101	ug/kg	43.1	1		05/04/10 18:05	127-18-4	
Toluene	ND	ug/kg	43.1	1		05/04/10 18:05	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	43.1	1		05/04/10 18:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	43.1	1		05/04/10 18:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	43.1	1		05/04/10 18:05	79-00-5	
Trichloroethene	ND	ug/kg	43.1	1		05/04/10 18:05	79-01-6	
1,2,4-Trimethylbenzene	899	ug/kg	43.1	1		05/04/10 18:05	95-63-6	
1,3,5-Trimethylbenzene	475	ug/kg	43.1	1		05/04/10 18:05	108-67-8	
Vinyl chloride	ND	ug/kg	43.1	1		05/04/10 18:05	75-01-4	
Xylene (Total)	236	ug/kg	129	1		05/04/10 18:05	1330-20-7	
m&p-Xylene	117	ug/kg	86.3	1		05/04/10 18:05	179601-23-1	
o-Xylene	119	ug/kg	43.1	1		05/04/10 18:05	95-47-6	
Toluene-d8 (S)	130	%	70-130	1		05/04/10 18:05	2037-26-5	
4-Bromofluorobenzene (S)	161	%	70-130	1		05/04/10 18:05	460-00-4	S0
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		05/04/10 18:05	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	75.5	%	0.10	1		05/04/10 19:43		

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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No: 3027040

Sample: 2H/4H-R.PIT Lab ID: 3027040002 Collected: 05/01/10 01:20 Received: 05/04/10 12:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	14600	mg/kg	19.0	1	05/05/10 16:16	05/06/10 11:30	7429-90-5	
Antimony	5.0	mg/kg	0.95	1	05/05/10 16:16	05/06/10 11:30	7440-36-0	
Arsenic	22.9	mg/kg	0.95	1	05/05/10 16:16	05/06/10 11:30	7440-38-2	
Barium	19700	mg/kg	38.1	10	05/05/10 16:16	05/06/10 13:23	7440-39-3	
Beryllium	0.91	mg/kg	0.38	1	05/05/10 16:16	05/06/10 11:30	7440-41-7	
Boron	26.6	mg/kg	9.5	1	05/05/10 16:16	05/06/10 11:30	7440-42-8	
Cadmium	1.0	mg/kg	0.38	1	05/05/10 16:16	05/06/10 11:30	7440-43-9	
Calcium	20300	mg/kg	381	1	05/05/10 16:16	05/06/10 11:30	7440-70-2	
Chromium	32.9	mg/kg	0.95	1	05/05/10 16:16	05/06/10 11:30	7440-47-3	
Cobalt	13.9	mg/kg	1.9	1	05/05/10 16:16	05/06/10 11:30	7440-48-4	
Copper	87.9	mg/kg	1.9	1	05/05/10 16:16	05/06/10 11:30	7440-50-8	
Iron	25200	mg/kg	19.0	1	05/05/10 16:16	05/06/10 11:30	7439-89-6	
Lead	251	mg/kg	0.95	1	05/05/10 16:16	05/06/10 11:30	7439-92-1	
Magnesium	4700	mg/kg	95.2	1	05/05/10 16:16	05/06/10 11:30	7439-95-4	
Manganese	577	mg/kg	1.9	1	05/05/10 16:16	05/06/10 11:30	7439-96-5	
Molybdenum	22.3	mg/kg	3.8	1	05/05/10 16:16	05/06/10 11:30	7439-98-7	
Nickel	48.4	mg/kg	3.8	1	05/05/10 16:16	05/06/10 11:30	7440-02-0	
Potassium	4370	mg/kg	95.2	1	05/05/10 16:16	05/06/10 11:30	7440-09-7	
Selenium	ND	mg/kg	0.95	1	05/05/10 16:16	05/06/10 11:30	7782-49-2	
Silver	0.59	mg/kg	0.38	1	05/05/10 16:16	05/06/10 11:30	7440-22-4	
Sodium	2730	mg/kg	952	1	05/05/10 16:16	05/06/10 11:30	7440-23-5	
Thallium	ND	mg/kg	3.8	1	05/05/10 16:16	05/06/10 11:30	7440-28-0	
Vanadium	42.6	mg/kg	1.9	1	05/05/10 16:16	05/06/10 11:30	7440-62-2	
Zinc	162	mg/kg	1.9	1	05/05/10 16:16	05/06/10 11:30	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.40	mg/kg	0.29	1	05/05/10 11:12	05/06/10 10:37	7439-97-6	
<b>8270 MSSV FULL LIST MICROWAVE</b> Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	83-32-9	
Acenaphthylene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	208-96-8	
Anthracene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	120-12-7	
Azobenzene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	103-33-3	
Benzo(a)anthracene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	207-08-9	
Benzoic acid	ND	ug/kg	7600	1	05/04/10 19:46	05/07/10 17:01	65-85-0	
Benzyl alcohol	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	101-55-3	
Butylbenzylphthalate	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	85-68-7	
Carbazole	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	86-74-8	
4-Chloro-3-methylphenol	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	59-50-7	
4-Chloroaniline	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	106-47-8	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

Sample: [REDACTED] 2H/4H-R.PIT Lab ID: 3027040002 Collected: 05/01/10 01:20 Received: 05/04/10 12:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST</b>								
<b>MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
bis(2-Chloroethoxy)methane	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	108-60-1	
2-Chloronaphthalene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	91-58-7	
2-Chlorophenol	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	7005-72-3	
Chrysene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	53-70-3	
Dibenzofuran	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	120-83-2	
Diethylphthalate	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	105-67-9	
Dimethylphthalate	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	131-11-3	
Di-n-butylphthalate	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	7600	1	05/04/10 19:46	05/07/10 17:01	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	7600	1	05/04/10 19:46	05/07/10 17:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	606-20-2	
Di-n-octylphthalate	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	117-81-7	
Fluoranthene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	206-44-0	
Fluorene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	87-68-3	
Hexachlorobenzene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	77-47-4	
Hexachloroethane	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	193-39-5	
Isophorone	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	78-59-1	
1-Methylnaphthalene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	6080	1	05/04/10 19:46	05/07/10 17:01		
Naphthalene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	91-20-3	
2-Nitroaniline	ND	ug/kg	7600	1	05/04/10 19:46	05/07/10 17:01	88-74-4	
3-Nitroaniline	ND	ug/kg	7600	1	05/04/10 19:46	05/07/10 17:01	99-09-2	
4-Nitroaniline	ND	ug/kg	7600	1	05/04/10 19:46	05/07/10 17:01	100-01-6	
Nitrobenzene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	98-95-3	
2-Nitrophenol	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	88-75-5	
4-Nitrophenol	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	621-64-7	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027040

Sample: 2H/4H-R.PIT Lab ID: 3027040002 Collected: 05/01/10 01:20 Received: 05/04/10 12:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV FULL LIST MICROWAVE</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3546								
N-Nitrosodiphenylamine	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	86-30-6	
Pentachlorophenol	ND	ug/kg	7600	1	05/04/10 19:46	05/07/10 17:01	87-86-5	
Phenanthrene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	85-01-8	
Phenol	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	108-95-2	
Pyrene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	7600	1	05/04/10 19:46	05/07/10 17:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	3040	1	05/04/10 19:46	05/07/10 17:01	88-06-2	
Nitrobenzene-d5 (S)	48	%	35-114	1	05/04/10 19:46	05/07/10 17:01	4165-60-0	
2-Fluorobiphenyl (S)	49	%	43-116	1	05/04/10 19:46	05/07/10 17:01	321-60-8	
Terphenyl-d14 (S)	58	%	33-141	1	05/04/10 19:46	05/07/10 17:01	1718-51-0	
Phenol-d6 (S)	39	%	10-110	1	05/04/10 19:46	05/07/10 17:01	13127-88-3	
2-Fluorophenol (S)	28	%	21-110	1	05/04/10 19:46	05/07/10 17:01	367-12-4	
2,4,6-Tribromophenol (S)	21	%	10-123	1	05/04/10 19:46	05/07/10 17:01	118-79-6	

### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	ND	ug/kg	3200	50	05/05/10 15:49	67-64-1	
Benzene	ND	ug/kg	15.0	1	05/04/10 18:29	71-43-2	
Bromochloromethane	ND	ug/kg	15.0	1	05/04/10 18:29	74-97-5	
Bromodichloromethane	ND	ug/kg	15.0	1	05/04/10 18:29	75-27-4	
Bromoform	ND	ug/kg	15.0	1	05/04/10 18:29	75-25-2	
Bromomethane	ND	ug/kg	15.0	1	05/04/10 18:29	74-83-9	
TOTAL BTEX	223	ug/kg	90.0	1	05/04/10 18:29		
2-Butanone (MEK)	85.2	ug/kg	30.0	1	05/04/10 18:29	78-93-3	
n-Butylbenzene	35.5	ug/kg	15.0	1	05/04/10 18:29	104-51-8	
sec-Butylbenzene	34.4	ug/kg	15.0	1	05/04/10 18:29	135-98-8	
Carbon disulfide	43.6	ug/kg	15.0	1	05/04/10 18:29	75-15-0	
Carbon tetrachloride	ND	ug/kg	15.0	1	05/04/10 18:29	56-23-5	
Chlorobenzene	ND	ug/kg	15.0	1	05/04/10 18:29	108-90-7	
Chloroethane	ND	ug/kg	15.0	1	05/04/10 18:29	75-00-3	
Chloroform	ND	ug/kg	15.0	1	05/04/10 18:29	67-66-3	
Chloromethane	ND	ug/kg	15.0	1	05/04/10 18:29	74-87-3	
Dibromochloromethane	ND	ug/kg	15.0	1	05/04/10 18:29	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	15.0	1	05/04/10 18:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	15.0	1	05/04/10 18:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	15.0	1	05/04/10 18:29	106-46-7	
1,1-Dichloroethane	ND	ug/kg	15.0	1	05/04/10 18:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	15.0	1	05/04/10 18:29	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	30.0	1	05/04/10 18:29	540-59-0	
1,1-Dichloroethene	ND	ug/kg	15.0	1	05/04/10 18:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	15.0	1	05/04/10 18:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	15.0	1	05/04/10 18:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	15.0	1	05/04/10 18:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	15.0	1	05/04/10 18:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	15.0	1	05/04/10 18:29	10061-02-6	

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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

Sample: [REDACTED] 2H/4H-R.PIT Lab ID: 3027040002 Collected: 05/01/10 01:20 Received: 05/04/10 12:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Ethylbenzene	25.8	ug/kg	15.0	1		05/04/10 18:29	100-41-4	
2-Hexanone	ND	ug/kg	30.0	1		05/04/10 18:29	591-78-6	
Isopropylbenzene (Cumene)	20.3	ug/kg	15.0	1		05/04/10 18:29	98-82-8	
p-Isopropyltoluene	83.7	ug/kg	15.0	1		05/04/10 18:29	99-87-6	
Methylene Chloride	ND	ug/kg	15.0	1		05/04/10 18:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	88.0	ug/kg	30.0	1		05/04/10 18:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	15.0	1		05/04/10 18:29	1634-04-4	
Naphthalene	49.5	ug/kg	15.0	1		05/04/10 18:29	91-20-3	
n-Propylbenzene	29.2	ug/kg	15.0	1		05/04/10 18:29	103-65-1	
Styrene	ND	ug/kg	15.0	1		05/04/10 18:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	15.0	1		05/04/10 18:29	79-34-5	
Tetrachloroethene	37.0	ug/kg	15.0	1		05/04/10 18:29	127-18-4	
Toluene	15.8	ug/kg	15.0	1		05/04/10 18:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	15.0	1		05/04/10 18:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	15.0	1		05/04/10 18:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	15.0	1		05/04/10 18:29	79-00-5	
Trichloroethene	ND	ug/kg	15.0	1		05/04/10 18:29	79-01-6	
1,2,4-Trimethylbenzene	291	ug/kg	15.0	1		05/04/10 18:29	95-63-6	
1,3,5-Trimethylbenzene	125	ug/kg	15.0	1		05/04/10 18:29	108-67-8	
Vinyl chloride	ND	ug/kg	15.0	1		05/04/10 18:29	75-01-4	
Xylene (Total)	181	ug/kg	45.0	1		05/04/10 18:29	1330-20-7	
m&p-Xylene	110	ug/kg	30.0	1		05/04/10 18:29	179601-23-1	
o-Xylene	70.9	ug/kg	15.0	1		05/04/10 18:29	95-47-6	
Toluene-d8 (S)	104	%	70-130	1		05/04/10 18:29	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130	1		05/04/10 18:29	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		05/04/10 18:29	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	67.6	%	0.10	1		05/04/10 19:44		

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(724)850-5600

## ANALYTICAL RESULTS

Project [REDACTED] 2H/4H

Pace Project No: 3027040

Sample: [REDACTED] 2H/4H-SUMP Lab ID: 3027040003 Collected: 05/01/10 12.01 Received: 05/04/10 12.40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	2530	ug/L	50.0	1	05/06/10 10:29	05/07/10 10:39	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:39	7440-36-0	
Arsenic	7.6	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:39	7440-38-2	
Barium	558	ug/L	10.0	1	05/06/10 10:29	05/07/10 10:39	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/06/10 10:29	05/07/10 10:39	7440-41-7	
Boron	ND	ug/L	50.0	1	05/06/10 10:29	05/07/10 10:39	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/06/10 10:29	05/07/10 10:39	7440-43-9	
Calcium	21900	ug/L	1000	1	05/06/10 10:29	05/07/10 10:39	7440-70-2	
Chromium	ND	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:39	7440-47-3	
Cobalt	ND	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:39	7440-48-4	
Copper	7.7	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:39	7440-50-8	
Iron	4230	ug/L	50.0	1	05/06/10 10:29	05/07/10 10:39	7439-89-6	
Lead	3.6	ug/L	2.0	1	05/06/10 10:29	05/07/10 10:39	7439-92-1	
Magnesium	4490	ug/L	200	1	05/06/10 10:29	05/07/10 10:39	7439-95-4	
Manganese	310	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:39	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/06/10 10:29	05/07/10 10:39	7439-98-7	
Nickel	ND	ug/L	10.0	1	05/06/10 10:29	05/07/10 10:39	7440-02-0	
Potassium	6160	ug/L	500	1	05/06/10 10:29	05/07/10 10:39	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:39	7782-49-2	
Silver	ND	ug/L	1.0	1	05/06/10 10:29	05/07/10 10:39	7440-22-4	
Sodium	17600	ug/L	1000	1	05/06/10 10:29	05/07/10 10:39	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/06/10 10:29	05/07/10 10:39	7440-28-0	
Vanadium	ND	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:39	7440-62-2	
Zinc	48.8	ug/L	10.0	1	05/06/10 10:29	05/07/10 10:39	7440-66-6	

### 6010 MET ICP, Lab Filtered

Analytical Method: EPA 6010 Preparation Method: EPA 3005

Aluminum, Dissolved	ND	ug/L	50.0	1	05/06/10 10:33	05/07/10 10:45	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:45	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:45	7440-38-2	
Barium, Dissolved	97.2	ug/L	10.0	1	05/06/10 10:33	05/07/10 10:45	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/06/10 10:33	05/07/10 10:45	7440-41-7	
Boron, Dissolved	ND	ug/L	50.0	1	05/06/10 10:33	05/07/10 10:45	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/06/10 10:33	05/07/10 10:45	7440-43-9	
Calcium, Dissolved	20500	ug/L	1000	1	05/06/10 10:33	05/07/10 10:45	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:45	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:45	7440-48-4	
Copper, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:45	7440-50-8	
Iron, Dissolved	118	ug/L	50.0	1	05/06/10 10:33	05/07/10 10:45	7439-89-6	
Lead, Dissolved	ND	ug/L	2.0	1	05/06/10 10:33	05/07/10 10:45	7439-92-1	
Magnesium, Dissolved	3680	ug/L	200	1	05/06/10 10:33	05/07/10 10:45	7439-95-4	
Manganese, Dissolved	118	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:45	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	05/06/10 10:33	05/07/10 10:45	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	05/06/10 10:33	05/07/10 10:45	7440-02-0	
Potassium, Dissolved	5670	ug/L	500	1	05/06/10 10:33	05/07/10 10:45	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:45	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	05/06/10 10:33	05/07/10 10:45	7440-22-4	
Sodium, Dissolved	17700	ug/L	1000	1	05/06/10 10:33	05/07/10 10:45	7440-23-5	

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## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

Sample:	2H/4H-SUMP	Lab ID: 3027040003	Collected: 05/01/10 12:01	Received: 05/04/10 12:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b>								
Analytical Method: EPA 6010			Preparation Method: EPA 3005					
Thallium, Dissolved	ND ug/L		10.0	1	05/06/10 10:33	05/07/10 10:45	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/06/10 10:33	05/07/10 10:45	7440-62-2	
Zinc, Dissolved	13.8 ug/L		10.0	1	05/06/10 10:33	05/07/10 10:45	7440-66-6	
<b>7470 Mercury</b>								
Analytical Method: EPA 7470			Preparation Method: EPA 7470					
Mercury	ND ug/L		0.20	1	05/06/10 09:14	05/07/10 09:16	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>								
Analytical Method: EPA 7470			Preparation Method: EPA 7470					
Mercury, Dissolved	ND ug/L		0.20	1	05/06/10 09:13	05/07/10 09:09	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b>								
Analytical Method: EPA 8270			Preparation Method: EPA 3510					
1,2,4-Trichlorobenzene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	120-82-1	
1,2-Dichlorobenzene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	106-46-7	
1-Methylnaphthalene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	90-12-0	
2,4,5-Trichlorophenol	ND ug/L		2.5	1	05/05/10 10:45	05/09/10 16:20	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	88-06-2	
2,4-Dichlorophenol	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	120-83-2	
2,4-Dimethylphenol	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	105-67-9	
2,4-Dinitrophenol	ND ug/L		2.5	1	05/05/10 10:45	05/09/10 16:20	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	606-20-2	
2-Chloronaphthalene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	91-58-7	
2-Chlorophenol	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	95-57-8	
2-Methylnaphthalene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	95-48-7	
2-Nitroaniline	ND ug/L		2.5	1	05/05/10 10:45	05/09/10 16:20	88-74-4	
2-Nitrophenol	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND ug/L		2.0	1	05/05/10 10:45	05/09/10 16:20		
3,3'-Dichlorobenzidine	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	91-94-1	
3-Nitroaniline	ND ug/L		2.5	1	05/05/10 10:45	05/09/10 16:20	99-09-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.5	1	05/05/10 10:45	05/09/10 16:20	534-52-1	
4-Bromophenylphenyl ether	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	101-55-3	
4-Chloro-3-methylphenol	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	59-50-7	
4-Chloroaniline	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	106-47-8	
4-Chlorophenylphenyl ether	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	7005-72-3	
4-Nitroaniline	ND ug/L		2.5	1	05/05/10 10:45	05/09/10 16:20	100-01-6	
4-Nitrophenol	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	100-02-7	
Acenaphthene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	83-32-9	
Acenaphthylene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	208-96-8	
Anthracene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	120-12-7	
Azobenzene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	103-33-3	
Benzo(a)anthracene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	56-55-3	
Benzo(a)pyrene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.0	1	05/05/10 10:45	05/09/10 16:20	205-99-2	

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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No: 3027040

Sample: 2H/4H-SUMP Lab ID: 3027040003 Collected: 05/01/10 12:01 Received: 05/04/10 12:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b> Analytical Method EPA 8270 Preparation Method: EPA 3510								
Benzo(g,h,i)perylene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	207-08-9	
Benzoic acid	ND	ug/L	102	1	05/05/10 10:45	05/09/10 16:20	65-85-0	
Benzyl alcohol	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	100-51-6	
Butylbenzylphthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	85-68-7	
Carbazole	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	86-74-8	
Chrysene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	53-70-3	
Dibenzofuran	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	131-11-3	
Fluoranthene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	206-44-0	
Fluorene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	87-68-3	
Hexachlorobenzene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	77-47-4	
Hexachloroethane	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	193-39-5	
Isophorone	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	621-64-7	
N-Nitrosodimethylamine	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	62-75-9	
N-Nitrosodiphenylamine	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	86-30-6	
Naphthalene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	91-20-3	
Nitrobenzene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	98-95-3	
Pentachlorophenol	ND	ug/L	2.5	1	05/05/10 10:45	05/09/10 16:20	87-86-5	
Phenanthrene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	85-01-8	
Phenol	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	108-95-2	
Pyrene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	108-60-1	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:20	117-81-7	
Nitrobenzene-d5 (S)	33 %		35-114	1	05/05/10 10:45	05/09/10 16:20	4165-60-0	S1
2-Fluorobiphenyl (S)	33 %		43-116	1	05/05/10 10:45	05/09/10 16:20	321-60-8	S1
Terphenyl-d14 (S)	49 %		33-141	1	05/05/10 10:45	05/09/10 16:20	1718-51-0	
Phenol-d6 (S)	13 %		10-110	1	05/05/10 10:45	05/09/10 16:20	13127-88-3	
2-Fluorophenol (S)	21 %		21-110	1	05/05/10 10:45	05/09/10 16:20	367-12-4	
2,4,6-Tribromophenol (S)	54 %		10-123	1	05/05/10 10:45	05/09/10 16:20	118-79-6	

### 8260 MSV

Analytical Method EPA 8260

1,1,1-Trichloroethane	ND	ug/L	1.0	1	05/05/10 01:11	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1	05/05/10 01:11	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1	05/05/10 01:11	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1	05/05/10 01:11	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1	05/05/10 01:11	75-35-4	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3027040

Sample: 2H/4H-SUMP Lab ID: 3027040003 Collected: 05/01/10 12:01 Received: 05/04/10 12:40 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260								
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/05/10 01:11	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/05/10 01:11	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/05/10 01:11	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/05/10 01:11	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		05/05/10 01:11	540-59-0	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/05/10 01:11	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/05/10 01:11	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/05/10 01:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/05/10 01:11	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/05/10 01:11	78-93-3	
2-Hexanone	ND	ug/L	10.0	1		05/05/10 01:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/05/10 01:11	108-10-1	
Acetone	ND	ug/L	10.0	1		05/05/10 01:11	67-64-1	
Benzene	ND	ug/L	1.0	1		05/05/10 01:11	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/05/10 01:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/05/10 01:11	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/05/10 01:11	75-25-2	
Bromomethane	ND	ug/L	1.0	1		05/05/10 01:11	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		05/05/10 01:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/05/10 01:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/05/10 01:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/05/10 01:11	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/05/10 01:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/05/10 01:11	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/05/10 01:11	124-48-1	
Ethylbenzene	ND	ug/L	1.0	1		05/05/10 01:11	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/05/10 01:11	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/05/10 01:11	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		05/05/10 01:11	75-09-2	
Naphthalene	ND	ug/L	2.0	1		05/05/10 01:11	91-20-3	
Styrene	ND	ug/L	1.0	1		05/05/10 01:11	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/05/10 01:11	127-18-4	
Toluene	ND	ug/L	1.0	1		05/05/10 01:11	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/05/10 01:11	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/05/10 01:11	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/05/10 01:11	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/05/10 01:11	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/05/10 01:11	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/05/10 01:11	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/05/10 01:11	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/05/10 01:11	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/05/10 01:11	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/05/10 01:11	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/05/10 01:11	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/05/10 01:11	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/05/10 01:11	10061-02-6	
4-Bromofluorobenzene (S)	100 %		70-130	1		05/05/10 01:11	460-00-4	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027040

Sample: [REDACTED] 2H/4H-SUMP		Lab ID: 3027040003	Collected: 05/01/10 12:01	Received: 05/04/10 12:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
8260 MSV		Analytical Method: EPA 8260						
1,2-Dichloroethane-d4 (S)	111 %		70-130	1		05/05/10 01:11	17060-07-0	
Toluene-d8 (S)	96 %		70-130	1		05/05/10 01:11	2037-26-5	

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## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

Sample: [REDACTED] 2H/4H-H.D. Lab ID: 3027040004 Collected: 05/01/10 15 05 Received: 05/04/10 12.40 Matrix: Water  
WELL

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	92.6	ug/L	50.0	1	05/06/10 10:29	05/07/10 10:42	7429-90-5	
Antimony	5.5	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:42	7440-36-0	
Arsenic	ND	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:42	7440-38-2	
Barium	112	ug/L	10.0	1	05/06/10 10:29	05/07/10 10:42	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/06/10 10:29	05/07/10 10:42	7440-41-7	
Boron	ND	ug/L	50.0	1	05/06/10 10:29	05/07/10 10:42	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/06/10 10:29	05/07/10 10:42	7440-43-9	
Calcium	12900	ug/L	1000	1	05/06/10 10:29	05/07/10 10:42	7440-70-2	
Chromium	ND	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:42	7440-47-3	
Cobalt	ND	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:42	7440-48-4	
Copper	ND	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:42	7440-50-8	
Iron	109	ug/L	50.0	1	05/06/10 10:29	05/07/10 10:42	7439-89-6	
Lead	ND	ug/L	2.0	1	05/06/10 10:29	05/07/10 10:42	7439-92-1	
Magnesium	2750	ug/L	200	1	05/06/10 10:29	05/07/10 10:42	7439-95-4	
Manganese	5.6	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:42	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/06/10 10:29	05/07/10 10:42	7439-98-7	
Nickel	ND	ug/L	10.0	1	05/06/10 10:29	05/07/10 10:42	7440-02-0	
Potassium	2500	ug/L	500	1	05/06/10 10:29	05/07/10 10:42	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:42	7782-49-2	
Silver	ND	ug/L	1.0	1	05/06/10 10:29	05/07/10 10:42	7440-22-4	
Sodium	5210	ug/L	1000	1	05/06/10 10:29	05/07/10 10:42	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/06/10 10:29	05/07/10 10:42	7440-28-0	
Vanadium	ND	ug/L	5.0	1	05/06/10 10:29	05/07/10 10:42	7440-62-2	
Zinc	ND	ug/L	10.0	1	05/06/10 10:29	05/07/10 10:42	7440-66-6	

### 6010 MET ICP, Lab Filtered

Analytical Method: EPA 6010 Preparation Method: EPA 3005

Aluminum, Dissolved	ND	ug/L	50.0	1	05/06/10 10:33	05/07/10 10:48	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:48	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:48	7440-38-2	
Barium, Dissolved	84.0	ug/L	10.0	1	05/06/10 10:33	05/07/10 10:48	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/06/10 10:33	05/07/10 10:48	7440-41-7	
Boron, Dissolved	ND	ug/L	50.0	1	05/06/10 10:33	05/07/10 10:48	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/06/10 10:33	05/07/10 10:48	7440-43-9	
Calcium, Dissolved	12800	ug/L	1000	1	05/06/10 10:33	05/07/10 10:48	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:48	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:48	7440-48-4	
Copper, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:48	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	05/06/10 10:33	05/07/10 10:48	7439-89-6	
Lead, Dissolved	ND	ug/L	2.0	1	05/06/10 10:33	05/07/10 10:48	7439-92-1	
Magnesium, Dissolved	2710	ug/L	200	1	05/06/10 10:33	05/07/10 10:48	7439-95-4	
Manganese, Dissolved	34.2	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:48	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	05/06/10 10:33	05/07/10 10:48	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	05/06/10 10:33	05/07/10 10:48	7440-02-0	
Potassium, Dissolved	2500	ug/L	500	1	05/06/10 10:33	05/07/10 10:48	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:48	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	05/06/10 10:33	05/07/10 10:48	7440-22-4	

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(724)850-5600

## ANALYTICAL RESULTS

Project [REDACTED] 2H/4H

Pace Project No.: 3027040

Sample: [REDACTED] 2H/4H-H.D. Lab ID: 3027040004 Collected: 05/01/10 15:05 Received: 05/04/10 12:40 Matrix: Water  
WELL

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Sodium, Dissolved	5250	ug/L	1000	1	05/06/10 10:33	05/07/10 10:48	7440-23-5	
Thallium, Dissolved	ND	ug/L	10.0	1	05/06/10 10:33	05/07/10 10:48	7440-28-0	
Vanadium, Dissolved	ND	ug/L	5.0	1	05/06/10 10:33	05/07/10 10:48	7440-62-2	
Zinc, Dissolved	ND	ug/L	10.0	1	05/06/10 10:33	05/07/10 10:48	7440-66-6	
<b>7470 Mercury</b>								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	05/06/10 09:14	05/07/10 09:24	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	0.20	1	05/06/10 09:13	05/07/10 09:11	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b>								
Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	120-82-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	106-46-7	
1-Methylnaphthalene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	90-12-0	
2,4,5-Trichlorophenol	ND	ug/L	2.6	1	05/05/10 10:45	05/09/10 16:42	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	105-67-9	
2,4-Dinitrophenol	ND	ug/L	2.6	1	05/05/10 10:45	05/09/10 16:42	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	91-58-7	
2-Chlorophenol	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	95-48-7	
2-Nitroaniline	ND	ug/L	2.6	1	05/05/10 10:45	05/09/10 16:42	88-74-4	
2-Nitrophenol	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	2.1	1	05/05/10 10:45	05/09/10 16:42		
3,3'-Dichlorobenzidine	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	91-94-1	
3-Nitroaniline	ND	ug/L	2.6	1	05/05/10 10:45	05/09/10 16:42	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	2.6	1	05/05/10 10:45	05/09/10 16:42	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	59-50-7	
4-Chloroaniline	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	7005-72-3	
4-Nitroaniline	ND	ug/L	2.6	1	05/05/10 10:45	05/09/10 16:42	100-01-6	
4-Nitrophenol	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	100-02-7	
Acenaphthene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	208-96-8	
Anthracene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	120-12-7	
Azobenzene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	103-33-3	
Benzo(a)anthracene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	56-55-3	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

Sample: [REDACTED] 2H/4H-H.D. Lab ID: 3027040004 Collected 05/01/10 15:05 Received: 05/04/10 12:40 Matrix: Water  
WELL

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Benzo(a)pyrene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	207-08-9	
Benzoic acid	ND	ug/L	104	1	05/05/10 10:45	05/09/10 16:42	65-85-0	
Benzyl alcohol	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	100-51-6	
Butylbenzylphthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	85-68-7	
Carbazole	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	86-74-8	
Chrysene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	53-70-3	
Dibenzofuran	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	131-11-3	
Fluoranthene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	206-44-0	
Fluorene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	87-68-3	
Hexachlorobenzene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	77-47-4	
Hexachloroethane	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	193-39-5	
Isophorone	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	621-64-7	
N-Nitrosodimethylamine	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	62-75-9	
N-Nitrosodiphenylamine	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	86-30-6	
Naphthalene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	91-20-3	
Nitrobenzene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	98-95-3	
Pentachlorophenol	ND	ug/L	2.6	1	05/05/10 10:45	05/09/10 16:42	87-86-5	
Phenanthrene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	85-01-8	
Phenol	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	108-95-2	
Pyrene	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	108-60-1	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1.0	1	05/05/10 10:45	05/09/10 16:42	117-81-7	
Nitrobenzene-d5 (S)	29 %		35-114	1	05/05/10 10:45	05/09/10 16:42	4165-60-0	S1
2-Fluorobiphenyl (S)	35 %		43-116	1	05/05/10 10:45	05/09/10 16:42	321-60-8	S1
Terphenyl-d14 (S)	48 %		33-141	1	05/05/10 10:45	05/09/10 16:42	1718-51-0	
Phenol-d6 (S)	13 %		10-110	1	05/05/10 10:45	05/09/10 16:42	13127-88-3	
2-Fluorophenol (S)	19 %		21-110	1	05/05/10 10:45	05/09/10 16:42	367-12-4	S1
2,4,6-Tribromophenol (S)	45 %		10-123	1	05/05/10 10:45	05/09/10 16:42	118-79-6	

### 8260 MSV

Analytical Method: EPA 8260

1,1,1-Trichloroethane	ND	ug/L	1.0	1	05/05/10 01:37	71-55-6
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1	05/05/10 01:37	79-34-5

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(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

Sample: [REDACTED] 2H/4H-H.D. Lab ID: 3027040004 Collected: 05/01/10 15.05 Received: 05/04/10 12:40 Matrix: Water  
WELL

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/05/10 01:37	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/05/10 01:37	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/05/10 01:37	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/05/10 01:37	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/05/10 01:37	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/05/10 01:37	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/05/10 01:37	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		05/05/10 01:37	540-59-0	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/05/10 01:37	78-93-3	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/05/10 01:37	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/05/10 01:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/05/10 01:37	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/05/10 01:37	78-93-3	
2-Hexanone	ND	ug/L	10.0	1		05/05/10 01:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/05/10 01:37	108-10-1	
Acetone	ND	ug/L	10.0	1		05/05/10 01:37	67-64-1	
Benzene	ND	ug/L	1.0	1		05/05/10 01:37	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/05/10 01:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/05/10 01:37	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/05/10 01:37	75-25-2	
Bromomethane	1.4	ug/L	1.0	1		05/05/10 01:37	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		05/05/10 01:37	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/05/10 01:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/05/10 01:37	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/05/10 01:37	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/05/10 01:37	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/05/10 01:37	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/05/10 01:37	124-48-1	
Ethylbenzene	ND	ug/L	1.0	1		05/05/10 01:37	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/05/10 01:37	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/05/10 01:37	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		05/05/10 01:37	75-09-2	
Naphthalene	ND	ug/L	2.0	1		05/05/10 01:37	91-20-3	
Styrene	ND	ug/L	1.0	1		05/05/10 01:37	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/05/10 01:37	127-18-4	
Toluene	ND	ug/L	1.0	1		05/05/10 01:37	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/05/10 01:37	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/05/10 01:37	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/05/10 01:37	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/05/10 01:37	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/05/10 01:37	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/05/10 01:37	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/05/10 01:37	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/05/10 01:37	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/05/10 01:37	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/05/10 01:37	99-87-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

Sample: [REDACTED] 2H/4H-H.D. Lab ID: 3027040004 Collected: 05/01/10 15:05 Received: 05/04/10 12:40 Matrix: Water  
WELL

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260								
sec-Butylbenzene	ND	ug/L	1.0	1		05/05/10 01:37	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/05/10 01:37	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/05/10 01:37	10061-02-6	
4-Bromofluorobenzene (S)	100	%	70-130	1		05/05/10 01:37	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		05/05/10 01:37	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		05/05/10 01:37	2037-26-5	

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### QUALITY CONTROL DATA

Project: 2H/4H

Pace Project No: 3027040

QC Batch: MPRP/3795 Analysis Method: EPA 6010B  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 3027040001, 3027040002

METHOD BLANK: 166693 Matrix: Solid

Associated Lab Samples: 3027040001, 3027040002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	05/06/10 10:58	
Antimony	mg/kg	ND	0.50	05/06/10 10:58	
Arsenic	mg/kg	ND	0.50	05/06/10 10:58	
Barium	mg/kg	ND	2.0	05/06/10 10:58	
Beryllium	mg/kg	ND	0.20	05/06/10 10:58	
Boron	mg/kg	ND	5.0	05/06/10 10:58	
Cadmium	mg/kg	ND	0.20	05/06/10 10:58	
Calcium	mg/kg	ND	200	05/06/10 10:58	
Chromium	mg/kg	ND	0.50	05/06/10 10:58	
Cobalt	mg/kg	ND	1.0	05/06/10 10:58	
Copper	mg/kg	ND	1.0	05/06/10 10:58	
Iron	mg/kg	ND	10.0	05/06/10 10:58	
Lead	mg/kg	ND	0.50	05/06/10 10:58	
Magnesium	mg/kg	ND	50.0	05/06/10 10:58	
Manganese	mg/kg	ND	1.0	05/06/10 10:58	
Molybdenum	mg/kg	ND	2.0	05/06/10 10:58	
Nickel	mg/kg	ND	2.0	05/06/10 10:58	
Potassium	mg/kg	ND	50.0	05/06/10 10:58	
Selenium	mg/kg	ND	0.50	05/06/10 10:58	
Silver	mg/kg	ND	0.20	05/06/10 10:58	
Sodium	mg/kg	ND	500	05/06/10 10:58	
Thallium	mg/kg	ND	2.0	05/06/10 10:58	
Vanadium	mg/kg	ND	1.0	05/06/10 10:58	
Zinc	mg/kg	ND	1.0	05/06/10 10:58	

LABORATORY CONTROL SAMPLE 166694

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	473	95	80-120	
Antimony	mg/kg	50	45.4	91	80-120	
Arsenic	mg/kg	50	44.7	89	80-120	
Barium	mg/kg	50	48.9	98	80-120	
Beryllium	mg/kg	50	48.1	96	80-120	
Boron	mg/kg	50	46.2	92	80-120	
Cadmium	mg/kg	50	45.4	91	80-120	
Calcium	mg/kg	500	462	92	80-120	
Chromium	mg/kg	50	48.2	96	80-120	
Cobalt	mg/kg	50	45.4	91	80-120	
Copper	mg/kg	50	46.9	94	80-120	
Iron	mg/kg	500	480	96	80-120	
Lead	mg/kg	50	44.4	89	80-120	

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# QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No : 3027040

LABORATORY CONTROL SAMPLE: 166694

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	mg/kg	500	453	91	80-120	
Manganese	mg/kg	50	47.6	95	80-120	
Molybdenum	mg/kg	50	47.1	94	80-120	
Nickel	mg/kg	50	48.4	97	80-120	
Potassium	mg/kg	500	478	96	80-120	
Selenium	mg/kg	50	42.6	85	80-120	
Silver	mg/kg	25	22.9	92	80-120	
Sodium	mg/kg	500	477J	95	80-120	
Thallium	mg/kg	50	44.3	89	80-120	
Vanadium	mg/kg	50	48.3	97	80-120	
Zinc	mg/kg	50	47.2	94	80-120	

MATRIX SPIKE SAMPLE: 166696

Parameter	Units	3026262001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	5200	325	5460	80	80-120	
Antimony	mg/kg	ND	32.5	14.1	37	80-120	M0
Arsenic	mg/kg	ND	32.5	27.0	83	80-120	
Barium	mg/kg	108	32.5	170	190	80-120	M0
Beryllium	mg/kg	ND	32.5	28.4	87	80-120	
Boron	mg/kg	41.4	32.5	71.2	92	80-120	
Cadmium	mg/kg	1.2	32.5	32.7	97	80-120	
Calcium	mg/kg	202000	325	198000	-1260	80-120	M0
Chromium	mg/kg	1970	32.5	1950	-68	80-120	M0
Cobalt	mg/kg	ND	32.5	31.7	86	80-120	
Copper	mg/kg	82.6	32.5	113	94	80-120	
Iron	mg/kg	159000	325	160000	463	80-120	M0
Lead	mg/kg	15.0	32.5	45.1	93	80-120	
Magnesium	mg/kg	61300	325	68800	2300	80-120	M0
Manganese	mg/kg	11300	32.5	11300	15	80-120	M0
Molybdenum	mg/kg	23.9	32.5	51.2	84	80-120	
Nickel	mg/kg	68.8	32.5	86.4	54	80-120	M0
Potassium	mg/kg	ND	325	337	104	80-120	
Selenium	mg/kg	ND	32.5	24.2	75	80-120	M0
Silver	mg/kg	ND	16.2	16.2	98	80-120	
Sodium	mg/kg	ND	325	1120J	95	80-120	
Thallium	mg/kg	ND	32.5	18.0	56	80-120	M0
Vanadium	mg/kg	218	32.5	243	76	80-120	M0
Zinc	mg/kg	160	32.5	160	2	80-120	M0

SAMPLE DUPLICATE: 166695

Parameter	Units	3026262001 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	5200	5540	6	
Antimony	mg/kg	ND	2.4J		

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CABOT-EPA 006899



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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

SAMPLE DUPLICATE: 166695

Parameter	Units	3026262001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	ND	ND		
Barium	mg/kg	108	126	15	
Beryllium	mg/kg	ND	ND		
Boron	mg/kg	41.4	45.6	9	
Cadmium	mg/kg	1.2	1.6J		
Calcium	mg/kg	202000	215000	6	
Chromium	mg/kg	1970	2130	8	
Cobalt	mg/kg	ND	ND		
Copper	mg/kg	82.6	91.3	10	
Iron	mg/kg	159000	178000	12	
Lead	mg/kg	15.0	26.6	56	D6
Magnesium	mg/kg	61300	70600	14	
Manganese	mg/kg	11300	12000	6	
Molybdenum	mg/kg	23.9	28.1	16	
Nickel	mg/kg	68.8	63.3	8	
Potassium	mg/kg	ND	ND		
Selenium	mg/kg	ND	ND		
Silver	mg/kg	ND	ND		
Sodium	mg/kg	ND	843J		
Thallium	mg/kg	ND	ND		
Vanadium	mg/kg	218	233	7	
Zinc	mg/kg	160	674	123	D6

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

QC Batch:	MPRP/3796	Analysis Method:	EPA 6010B
QC Batch Method	EPA 3005	Analysis Description:	6010 MET
Associated Lab Samples	3027040003, 3027040004		

METHOD BLANK: 166908 Matrix: Water

Associated Lab Samples: 3027040003, 3027040004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	50.0	05/07/10 09:39	
Antimony	ug/L	ND	5.0	05/07/10 09:39	
Arsenic	ug/L	ND	5.0	05/07/10 09:39	
Barium	ug/L	ND	10.0	05/07/10 09:39	
Beryllium	ug/L	ND	1.0	05/07/10 09:39	
Boron	ug/L	ND	50.0	05/07/10 09:39	
Cadmium	ug/L	ND	1.0	05/07/10 09:39	
Calcium	ug/L	ND	1000	05/07/10 09:39	
Chromium	ug/L	ND	5.0	05/07/10 09:39	
Cobalt	ug/L	ND	5.0	05/07/10 09:39	
Copper	ug/L	ND	5.0	05/07/10 09:39	
Iron	ug/L	ND	50.0	05/07/10 09:39	
Lead	ug/L	ND	2.0	05/07/10 09:39	
Magnesium	ug/L	ND	200	05/07/10 09:39	
Manganese	ug/L	ND	5.0	05/07/10 09:39	
Molybdenum	ug/L	ND	20.0	05/07/10 09:39	
Nickel	ug/L	ND	10.0	05/07/10 09:39	
Potassium	ug/L	ND	500	05/07/10 09:39	
Selenium	ug/L	ND	5.0	05/07/10 09:39	
Silver	ug/L	ND	1.0	05/07/10 09:39	
Sodium	ug/L	ND	1000	05/07/10 09:39	
Thallium	ug/L	ND	10.0	05/07/10 09:39	
Vanadium	ug/L	ND	5.0	05/07/10 09:39	
Zinc	ug/L	ND	10.0	05/07/10 09:39	

LABORATORY CONTROL SAMPLE: 166909

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4900	98	80-120	
Antimony	ug/L	500	507	101	80-120	
Arsenic	ug/L	500	490	98	80-120	
Barium	ug/L	500	495	99	80-120	
Beryllium	ug/L	500	496	99	80-120	
Boron	ug/L	500	484	97	80-120	
Cadmium	ug/L	500	493	99	80-120	
Calcium	ug/L	5000	4950	99	80-120	
Chromium	ug/L	500	491	98	80-120	
Cobalt	ug/L	500	492	98	80-120	
Copper	ug/L	500	495	99	80-120	
Iron	ug/L	5000	5000	100	80-120	
Lead	ug/L	500	489	98	80-120	

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### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3027040

LABORATORY CONTROL SAMPLE: 166909

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	ug/L	5000	4930	99	80-120	
Manganese	ug/L	500	492	98	80-120	
Molybdenum	ug/L	500	500	100	80-120	
Nickel	ug/L	500	492	98	80-120	
Potassium	ug/L	5000	4770	95	80-120	
Selenium	ug/L	500	496	99	80-120	
Silver	ug/L	250	254	102	80-120	
Sodium	ug/L	5000	4660	93	80-120	
Thallium	ug/L	500	524	105	80-120	
Vanadium	ug/L	500	490	98	80-120	
Zinc	ug/L	500	489	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 166911 166912

Parameter	Units	3027128001		MS		MSD		MS		MSD		% Rec		Limits	RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	% Rec	% Rec			
Aluminum	ug/L	ND	5000	5000	6310	6260	126	125	75-125	.7	M0					
Antimony	ug/L	ND	500	500	593	584	119	117	75-125	1						
Arsenic	ug/L	ND	500	500	561	558	112	112	75-125	.5						
Barium	ug/L	8830	500	500	9210	9220	77	77	75-125	.005						
Beryllium	ug/L	ND	500	500	404	401	81	80	75-125	.9						
Boron	ug/L	25300	500	500	25700	25700	94	79	75-125	.3						
Cadmium	ug/L	ND	500	500	417	414	83	83	75-125	.6						
Calcium	ug/L	251000	5000	5000	2460000	2490000	-1040	-354	75-125	1	M0					
Chromium	ug/L	ND	500	500	444	443	89	88	75-125	.3						
Cobalt	ug/L	6.5	500	500	432	426	85	84	75-125	1						
Copper	ug/L	ND	500	500	647	645	129	129	75-125	.3	M0					
Iron	ug/L	936	5000	5000	5040	5070	82	83	75-125	.5						
Lead	ug/L	5.7	500	500	479	474	95	94	75-125	1						
Magnesium	ug/L	163000	5000	5000	168000	167000	93	74	75-125	.6	M0					
Manganese	ug/L	450	500	500	905	899	91	90	75-125	.7						
Molybdenum	ug/L	ND	500	500	511	506	99	98	75-125	1						
Nickel	ug/L	ND	500	500	426	430	84	85	75-125	.8						
Potassium	ug/L	801000	5000	5000	794000	796000	-141	-93	75-125	.3	M0					
Selenium	ug/L	9.8	500	500	532	526	104	103	75-125	1						
Silver	ug/L	ND	250	250	339	339	136	136	75-125	.003	M0					
Sodium	ug/L	180000	5000	5000	1980000	1980000	34500	34500	75-125	.02	M0					
Thallium	ug/L	00	500	500	0	0	99	100	75-125	.2						
Vanadium	ug/L	ND	500	500	474	471	95	94	75-125	.7						
Zinc	ug/L	ND	500	500	377	370	75	73	75-125	2	M0					

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### QUALITY CONTROL DATA

Project: 2H/4H  
Pace Project No.: 3027040

SAMPLE DUPLICATE: 166910

Parameter	Units	3027128001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	ND	ND		
Antimony	ug/L	ND	ND		
Arsenic	ug/L	ND	ND		
Barium	ug/L	8830	8770	.6	
Beryllium	ug/L	ND	ND		
Boron	ug/L	25300	25000	8	
Cadmium	ug/L	ND	ND		
Calcium	ug/L	2510000	2440000	3	
Chromium	ug/L	ND	ND		
Cobalt	ug/L	6.5	5.7	13	
Copper	ug/L	ND	ND		
Iron	ug/L	936	956	2	
Lead	ug/L	5.7	5.3	7	
Magnesium	ug/L	163000	162000	.9	
Manganese	ug/L	450	446	9	
Molybdenum	ug/L	ND	16.9J		
Nickel	ug/L	ND	2.4J		
Potassium	ug/L	801000	796000	.6	
Selenium	ug/L	9.8	ND		
Silver	ug/L	ND	ND		
Sodium	ug/L	18000000	19600000	8	
Thallium	ug/L	ND	13.4		
Vanadium	ug/L	ND	ND		
Zinc	ug/L	ND	4.1J		

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No : 3027040

QC Batch: MPRP/3797

Analysis Method: EPA 6010

QC Batch Method: EPA 3005

Analysis Description: 6010 MET Dissolved

Associated Lab Samples: 3027040003, 3027040004

METHOD BLANK: 166913

Matrix: Water

Associated Lab Samples: 3027040003, 3027040004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	50.0	05/07/10 09:39	
Antimony, Dissolved	ug/L	ND	5.0	05/07/10 09:39	
Arsenic, Dissolved	ug/L	ND	5.0	05/07/10 09:39	
Barium, Dissolved	ug/L	ND	10.0	05/07/10 09:39	
Beryllium, Dissolved	ug/L	ND	1.0	05/07/10 09:39	
Boron, Dissolved	ug/L	ND	50.0	05/07/10 09:39	
Cadmium, Dissolved	ug/L	ND	1.0	05/07/10 09:39	
Calcium, Dissolved	ug/L	ND	1000	05/07/10 09:39	
Chromium, Dissolved	ug/L	ND	5.0	05/07/10 09:39	
Cobalt, Dissolved	ug/L	ND	5.0	05/07/10 09:39	
Copper, Dissolved	ug/L	ND	5.0	05/07/10 09:39	
Iron, Dissolved	ug/L	ND	50.0	05/07/10 09:39	
Lead, Dissolved	ug/L	ND	2.0	05/07/10 09:39	
Magnesium, Dissolved	ug/L	ND	200	05/07/10 09:39	
Manganese, Dissolved	ug/L	ND	5.0	05/07/10 09:39	
Molybdenum, Dissolved	ug/L	ND	20.0	05/07/10 09:39	
Nickel, Dissolved	ug/L	ND	10.0	05/07/10 09:39	
Potassium, Dissolved	ug/L	ND	500	05/07/10 09:39	
Selenium, Dissolved	ug/L	ND	5.0	05/07/10 09:39	
Silver, Dissolved	ug/L	ND	1.0	05/07/10 09:39	
Sodium, Dissolved	ug/L	ND	1000	05/07/10 09:39	
Thallium, Dissolved	ug/L	ND	10.0	05/07/10 09:39	
Vanadium, Dissolved	ug/L	ND	5.0	05/07/10 09:39	
Zinc, Dissolved	ug/L	ND	10.0	05/07/10 09:39	

LABORATORY CONTROL SAMPLE: 166914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	5000	4900	98	80-120	
Antimony, Dissolved	ug/L	500	507	101	80-120	
Arsenic, Dissolved	ug/L	500	490	98	80-120	
Barium, Dissolved	ug/L	500	495	99	80-120	
Beryllium, Dissolved	ug/L	500	496	99	80-120	
Boron, Dissolved	ug/L	500	484	97	80-120	
Cadmium, Dissolved	ug/L	500	493	99	80-120	
Calcium, Dissolved	ug/L	5000	4950	99	80-120	
Chromium, Dissolved	ug/L	500	491	98	80-120	
Cobalt, Dissolved	ug/L	500	492	98	80-120	
Copper, Dissolved	ug/L	500	495	99	80-120	
Iron, Dissolved	ug/L	5000	5000	100	80-120	
Lead, Dissolved	ug/L	500	489	98	80-120	

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### QUALITY CONTROL DATA

Project: 2H/4H

Pace Project No.: 3027040

LABORATORY CONTROL SAMPLE: 166914

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	ug/L	5000	4930	99	80-120	
Manganese, Dissolved	ug/L	500	492	98	80-120	
Molybdenum, Dissolved	ug/L	500	500	100	80-120	
Nickel, Dissolved	ug/L	500	492	98	80-120	
Potassium, Dissolved	ug/L	5000	4770	95	80-120	
Selenium, Dissolved	ug/L	500	496	99	80-120	
Silver, Dissolved	ug/L	250	254	102	80-120	
Sodium, Dissolved	ug/L	5000	4660	93	80-120	
Thallium, Dissolved	ug/L	500	524	105	80-120	
Vanadium, Dissolved	ug/L	500	490	98	80-120	
Zinc, Dissolved	ug/L	500	489	98	80-120	

MATRIX SPIKE SAMPLE: 166916

Parameter	Units	3026866002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	ND	5000	5140	102	75-125	
Antimony, Dissolved	ug/L	ND	500	504	101	75-125	
Arsenic, Dissolved	ug/L	ND	500	496	99	75-125	
Barium, Dissolved	ug/L	25.4	500	518	99	75-125	
Beryllium, Dissolved	ug/L	ND	500	498	100	75-125	
Boron, Dissolved	ug/L	ND	500	526	99	75-125	
Cadmium, Dissolved	ug/L	ND	500	478	96	75-125	
Calcium, Dissolved	ug/L	111000	5000	115000	92	75-125	
Chromium, Dissolved	ug/L	ND	500	491	98	75-125	
Cobalt, Dissolved	ug/L	ND	500	484	97	75-125	
Copper, Dissolved	ug/L	ND	500	499	100	75-125	
Iron, Dissolved	ug/L	ND	5000	5020	100	75-125	
Lead, Dissolved	ug/L	ND	500	488	98	75-125	
Magnesium, Dissolved	ug/L	22300	5000	27300	99	75-125	
Manganese, Dissolved	ug/L	ND	500	491	98	75-125	
Molybdenum, Dissolved	ug/L	ND	500	497	99	75-125	
Nickel, Dissolved	ug/L	ND	500	482	96	75-125	
Potassium, Dissolved	ug/L	2010	5000	7700	114	75-125	
Selenium, Dissolved	ug/L	ND	500	507	101	75-125	
Silver, Dissolved	ug/L	ND	250	258	103	75-125	
Sodium, Dissolved	ug/L	65900	5000	71800	119	75-125	
Thallium, Dissolved	ug/L	ND	500	514	103	75-125	
Vanadium, Dissolved	ug/L	ND	500	496	99	75-125	
Zinc, Dissolved	ug/L	ND	500	471	94	75-125	

SAMPLE DUPLICATE: 166915

Parameter	Units	3026866002 Result	Dup Result	RPD	Qualifiers
Aluminum, Dissolved	ug/L	ND	ND		
Antimony, Dissolved	ug/L	ND	ND		

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

SAMPLE DUPLICATE: 166915

Parameter	Units	3026866002 Result	Dup Result	RPD	Qualifiers
Arsenic, Dissolved	ug/L	ND	ND		
Barium, Dissolved	ug/L	25.4	25.6	.5	
Beryllium, Dissolved	ug/L	ND	ND		
Boron, Dissolved	ug/L	ND	30.8J		
Cadmium, Dissolved	ug/L	ND	ND		
Calcium, Dissolved	ug/L	111000	111000	.4	
Chromium, Dissolved	ug/L	ND	ND		
Cobalt, Dissolved	ug/L	ND	ND		
Copper, Dissolved	ug/L	ND	ND		
Iron, Dissolved	ug/L	ND	ND		
Lead, Dissolved	ug/L	ND	ND		
Magnesium, Dissolved	ug/L	22300	22400	.4	
Manganese, Dissolved	ug/L	ND	ND		
Molybdenum, Dissolved	ug/L	ND	ND		
Nickel, Dissolved	ug/L	ND	ND		
Potassium, Dissolved	ug/L	2010	2030	1	
Selenium, Dissolved	ug/L	ND	ND		
Silver, Dissolved	ug/L	ND	ND		
Sodium, Dissolved	ug/L	65900	65800	.03	
Thallium, Dissolved	ug/L	ND	ND		
Vanadium, Dissolved	ug/L	ND	ND		
Zinc, Dissolved	ug/L	ND	ND		

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(724)850-6600

### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027040

QC Batch:	MERP/1885	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury
Associated Lab Samples:	3027040003, 3027040004		

METHOD BLANK: 166894      Matrix: Water  
Associated Lab Samples: 3027040003, 3027040004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	05/07/10 09:12	

LABORATORY CONTROL SAMPLE: 166895

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	101	85-115	

MATRIX SPIKE SAMPLE: 166897

Parameter	Units	3027040003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.5	101	85-115	

SAMPLE DUPLICATE: 166896

Parameter	Units	3027040003 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

QC Batch: MERP/1884 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved  
Associated Lab Samples: 3027040003, 3027040004

METHOD BLANK: 166887 Matrix: Water

Associated Lab Samples: 3027040003, 3027040004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	05/07/10 07:36	

LABORATORY CONTROL SAMPLE: 166888

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	1	1.0	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE. 166890 166891

Parameter	Units	3026959006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Mercury, Dissolved	ug/L	ND	2.5	2.5	2.5	2.5	100	100	75-125	0	

MATRIX SPIKE SAMPLE: 166893

Parameter	Units	3026959012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	ND	2.5	1.8	72	75-125	M0

SAMPLE DUPLICATE: 166889

Parameter	Units	3026959006 Result	Dup Result	RPD	Qualifiers
Mercury, Dissolved	ug/L	ND	ND		

SAMPLE DUPLICATE: 166892

Parameter	Units	3026959012 Result	Dup Result	RPD	Qualifiers
Mercury, Dissolved	ug/L	ND	ND		

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CABOT-EPA 006908

### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027040

QC Batch: MERP/1881	Analysis Method: EPA 7471
QC Batch Method: EPA 7471	Analysis Description: 7471 Mercury
Associated Lab Samples: 3027040001, 3027040002	

METHOD BLANK: 166435	Matrix: Solid
Associated Lab Samples: 3027040001, 3027040002	

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.10	05/06/10 10:26	

LABORATORY CONTROL SAMPLE: 166436						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.042	.044J	105	85-115	

MATRIX SPIKE SAMPLE: 166438							
Parameter	Units	3027063001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.000021U	.11	ND	0	75-125	M0

SAMPLE DUPLICATE: 166437					
Parameter	Units	3027063001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	0.000021U	ND		



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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

QC Batch: OEXT/4826

Analysis Method: EPA 8270

QC Batch Method: EPA 3546

Analysis Description: 8270 Solid MSSV Microwave

Associated Lab Samples: 3027040001, 3027040002

METHOD BLANK: 166360

Matrix: Solid

Associated Lab Samples: 3027040001, 3027040002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	333	05/07/10 15:52	
1,2-Dichlorobenzene	ug/kg	ND	333	05/07/10 15:52	
1,3-Dichlorobenzene	ug/kg	ND	333	05/07/10 15:52	
1,4-Dichlorobenzene	ug/kg	ND	333	05/07/10 15:52	
1-Methylnaphthalene	ug/kg	ND	333	05/07/10 15:52	
2,4,5-Trichlorophenol	ug/kg	ND	833	05/07/10 15:52	
2,4,6-Trichlorophenol	ug/kg	ND	333	05/07/10 15:52	
2,4-Dichlorophenol	ug/kg	ND	333	05/07/10 15:52	
2,4-Dimethylphenol	ug/kg	ND	333	05/07/10 15:52	
2,4-Dinitrophenol	ug/kg	ND	833	05/07/10 15:52	
2,4-Dinitrotoluene	ug/kg	ND	333	05/07/10 15:52	
2,6-Dinitrotoluene	ug/kg	ND	333	05/07/10 15:52	
2-Chloronaphthalene	ug/kg	ND	333	05/07/10 15:52	
2-Chlorophenol	ug/kg	ND	333	05/07/10 15:52	
2-Methylnaphthalene	ug/kg	ND	333	05/07/10 15:52	
2-Methylphenol(o-Cresol)	ug/kg	ND	333	05/07/10 15:52	
2-Nitroaniline	ug/kg	ND	833	05/07/10 15:52	
2-Nitrophenol	ug/kg	ND	333	05/07/10 15:52	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	666	05/07/10 15:52	
3,3'-Dichlorobenzidine	ug/kg	ND	333	05/07/10 15:52	
3-Nitroaniline	ug/kg	ND	833	05/07/10 15:52	
4,6-Dinitro-2-methylphenol	ug/kg	ND	833	05/07/10 15:52	
4-Bromophenylphenyl ether	ug/kg	ND	333	05/07/10 15:52	
4-Chloro-3-methylphenol	ug/kg	ND	333	05/07/10 15:52	
4-Chloroaniline	ug/kg	ND	333	05/07/10 15:52	
4-Chlorophenylphenyl ether	ug/kg	ND	333	05/07/10 15:52	
4-Nitroaniline	ug/kg	ND	833	05/07/10 15:52	
4-Nitrophenol	ug/kg	ND	333	05/07/10 15:52	
Acenaphthene	ug/kg	ND	333	05/07/10 15:52	
Acenaphthylene	ug/kg	ND	333	05/07/10 15:52	
Anthracene	ug/kg	ND	333	05/07/10 15:52	
Azobenzene	ug/kg	ND	333	05/07/10 15:52	
Benzo(a)anthracene	ug/kg	ND	333	05/07/10 15:52	
Benzo(a)pyrene	ug/kg	ND	333	05/07/10 15:52	
Benzo(b)fluoranthene	ug/kg	ND	333	05/07/10 15:52	
Benzo(g,h,i)perylene	ug/kg	ND	333	05/07/10 15:52	
Benzo(k)fluoranthene	ug/kg	ND	333	05/07/10 15:52	
Benzoic acid	ug/kg	ND	833	05/07/10 15:52	
Benzyl alcohol	ug/kg	ND	333	05/07/10 15:52	
bis(2-Chloroethoxy)methane	ug/kg	ND	333	05/07/10 15:52	
bis(2-Chloroethyl) ether	ug/kg	ND	333	05/07/10 15:52	
bis(2-Chloroisopropyl) ether	ug/kg	ND	333	05/07/10 15:52	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	333	05/07/10 15:52	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

METHOD BLANK 166360

Matrix: Solid

Associated Lab Samples: 3027040001, 3027040002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/kg	ND	333	05/07/10 15:52	
Carbazole	ug/kg	ND	333	05/07/10 15:52	
Chrysene	ug/kg	ND	333	05/07/10 15:52	
Di-n-butylphthalate	ug/kg	ND	333	05/07/10 15:52	
Di-n-octylphthalate	ug/kg	ND	333	05/07/10 15:52	
Dibenz(a,h)anthracene	ug/kg	ND	333	05/07/10 15:52	
Dibenzofuran	ug/kg	ND	333	05/07/10 15:52	
Diethylphthalate	ug/kg	ND	333	05/07/10 15:52	
Dimethylphthalate	ug/kg	ND	333	05/07/10 15:52	
Fluoranthene	ug/kg	ND	333	05/07/10 15:52	
Fluorene	ug/kg	ND	333	05/07/10 15:52	
Hexachloro-1,3-butadiene	ug/kg	ND	333	05/07/10 15:52	
Hexachlorobenzene	ug/kg	ND	333	05/07/10 15:52	
Hexachlorocyclopentadiene	ug/kg	ND	333	05/07/10 15:52	
Hexachloroethane	ug/kg	ND	333	05/07/10 15:52	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	333	05/07/10 15:52	
Isophorone	ug/kg	ND	333	05/07/10 15:52	
N-Nitroso-di-n-propylamine	ug/kg	ND	333	05/07/10 15:52	
N-Nitrosodimethylamine	ug/kg	ND	333	05/07/10 15:52	
N-Nitrosodiphenylamine	ug/kg	ND	333	05/07/10 15:52	
Naphthalene	ug/kg	ND	333	05/07/10 15:52	
Nitrobenzene	ug/kg	ND	333	05/07/10 15:52	
Pentachlorophenol	ug/kg	ND	833	05/07/10 15:52	
Phenanthrene	ug/kg	ND	333	05/07/10 15:52	
Phenol	ug/kg	ND	333	05/07/10 15:52	
Pyrene	ug/kg	ND	333	05/07/10 15:52	
2,4,6-Tribromophenol (S)	%	59	10-123	05/07/10 15:52	
2-Fluorobiphenyl (S)	%	53	43-116	05/07/10 15:52	
2-Fluorophenol (S)	%	41	21-110	05/07/10 15:52	
Nitrobenzene-d5 (S)	%	47	35-114	05/07/10 15:52	
Phenol-d6 (S)	%	48	10-110	05/07/10 15:52	
Terphenyl-d14 (S)	%	61	33-141	05/07/10 15:52	

LABORATORY CONTROL SAMPLE: 166361

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	3330	1840	55	43-120	
1,2-Dichlorobenzene	ug/kg		ND			
1,3-Dichlorobenzene	ug/kg		ND			
1,4-Dichlorobenzene	ug/kg	3330	1690	51	37-118	
1-Methylnaphthalene	ug/kg	3330	1990	60	40-140	
2,4,5-Trichlorophenol	ug/kg		ND			
2,4,6-Trichlorophenol	ug/kg		ND			
2,4-Dichlorophenol	ug/kg		ND			
2,4-Dimethylphenol	ug/kg		ND			

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3027040

LABORATORY CONTROL SAMPLE: 166361

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/kg		ND			
2,4-Dinitrotoluene	ug/kg	3330	1950	59	34-115	
2,6-Dinitrotoluene	ug/kg		ND			
2-Chloronaphthalene	ug/kg		ND			
2-Chlorophenol	ug/kg	3330	1790	54	40-140	
2-Methylnaphthalene	ug/kg	3330	1710	51	40-140	
2-Methylphenol(o-Cresol)	ug/kg		ND			
2-Nitroaniline	ug/kg		ND			
2-Nitrophenol	ug/kg		ND			
3&4-Methylphenol(m&p Cresol)	ug/kg		ND			
3,3'-Dichlorobenzidine	ug/kg		ND			
3-Nitroaniline	ug/kg		ND			
4,6-Dinitro-2-methylphenol	ug/kg		ND			
4-Bromophenylphenyl ether	ug/kg		ND			
4-Chloro-3-methylphenol	ug/kg	3330	2210	66	42-130	
4-Chloroaniline	ug/kg		ND			
4-Chlorophenylphenyl ether	ug/kg		ND			
4-Nitroaniline	ug/kg		ND			
4-Nitrophenol	ug/kg	3330	1760	53	27-125	
Acenaphthene	ug/kg	3330	1750	52	48-114	
Acenaphthylene	ug/kg	3330	1810	54	40-140	
Anthracene	ug/kg	3330	1860	56	40-140	
Azobenzene	ug/kg		ND			
Benzo(a)anthracene	ug/kg	3330	1860	56	40-140	
Benzo(a)pyrene	ug/kg	3330	2080	62	40-140	
Benzo(b)fluoranthene	ug/kg	3330	2110	63	40-140	
Benzo(g,h,i)perylene	ug/kg	3330	1700	51	40-140	
Benzo(k)fluoranthene	ug/kg	3330	2030	61	40-140	
Benzoic acid	ug/kg		ND			
Benzyl alcohol	ug/kg		ND			
bis(2-Chloroethoxy)methane	ug/kg		ND			
bis(2-Chloroethyl) ether	ug/kg		ND			
bis(2-Chloroisopropyl) ether	ug/kg		ND			
bis(2-Ethylhexyl)phthalate	ug/kg		ND			
Butylbenzylphthalate	ug/kg		ND			
Carbazole	ug/kg		ND			
Chrysene	ug/kg	3330	1780	53	40-140	
Di-n-butylphthalate	ug/kg		ND			
Di-n-octylphthalate	ug/kg		ND			
Dibenz(a,h)anthracene	ug/kg	3330	1990	60	40-140	
Dibenzofuran	ug/kg		ND			
Diethylphthalate	ug/kg		ND			
Dimethylphthalate	ug/kg		ND			
Fluoranthene	ug/kg	3330	1660	50	40-140	
Fluorene	ug/kg	3330	1840	55	40-140	
Hexachloro-1,3-butadiene	ug/kg		ND			
Hexachlorobenzene	ug/kg		ND			
Hexachlorocyclopentadiene	ug/kg		ND			

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027040

LABORATORY CONTROL SAMPLE: 166361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/kg		ND			
Indeno(1,2,3-cd)pyrene	ug/kg	3330	1900	57	40-140	
Isophorone	ug/kg		ND			
N-Nitroso-di-n-propylamine	ug/kg	3330	1980	59	43-126	
N-Nitrosodimethylamine	ug/kg		ND			
N-Nitrosodiphenylamine	ug/kg		ND			
Naphthalene	ug/kg	3330	1720	51	40-140	
Nitrobenzene	ug/kg		ND			
Pentachlorophenol	ug/kg	3330	1540	46	14-127	
Phenanthrene	ug/kg	3330	1760	53	40-140	
Phenol	ug/kg	3330	1620	49	39-120	
Pyrene	ug/kg	3330	1630	49	43-135	
2,4,6-Tribromophenol (S)	%			62	10-123	
2-Fluorobiphenyl (S)	%			53	43-116	
2-Fluorophenol (S)	%			46	21-110	
Nitrobenzene-d5 (S)	%			45	35-114	
Phenol-d6 (S)	%			52	10-110	
Terphenyl-d14 (S)	%			60	33-141	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 166362 166363

Parameter	Units	3027040002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	30100	28200	17300	16600	58	59	43-120	4	
1,2-Dichlorobenzene	ug/kg	ND			ND	ND					
1,3-Dichlorobenzene	ug/kg	ND			ND	ND					
1,4-Dichlorobenzene	ug/kg	ND	30100	28200	16300	15300	54	54	37-118	6	
1-Methylnaphthalene	ug/kg	ND	30100	28200	16400	18500	55	66	40-140	12	
2,4,6-Trichlorophenol	ug/kg	ND			ND	ND					
2,4,6-Trichlorophenol	ug/kg	ND			ND	ND					
2,4-Dichlorophenol	ug/kg	ND			ND	ND					
2,4-Dimethylphenol	ug/kg	ND			ND	ND					
2,4-Dinitrophenol	ug/kg	ND			ND	ND					
2,4-Dinitrotoluene	ug/kg	ND	30100	28200	9670	11300	32	40	34-115	16 M0	
2,6-Dinitrotoluene	ug/kg	ND			ND	ND					
2-Chloronaphthalene	ug/kg	ND			ND	ND					
2-Chlorophenol	ug/kg	ND	30100	28200	16000	13700	53	49	40-140	15	
2-Methylnaphthalene	ug/kg	ND	30100	28200	15200	16700	50	59	40-140	10	
2-Methylphenol(o-Cresol)	ug/kg	ND			ND	ND					
2-Nitroaniline	ug/kg	ND			ND	ND					
2-Nitrophenol	ug/kg	ND			ND	ND					
3&4-Methylphenol(m&p Cresol)	ug/kg	ND			ND	ND					
3,3'-Dichlorobenzidine	ug/kg	ND			ND	ND					
3-Nitroaniline	ug/kg	ND			ND	ND					
4,6-Dinitro-2-methylphenol	ug/kg	ND			ND	ND					
4-Bromophenylphenyl ether	ug/kg	ND			ND	ND					

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### QUALITY CONTROL DATA

Project: 2H/4H

Pace Project No.: 3027040

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 166362 166363											
Parameter	Units	3027040002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Chloro-3-methylphenol	ug/kg	ND	30100	28200	20500	19800	68	70	42-130	4	
4-Chloroaniline	ug/kg	ND			ND	ND					
4-Chlorophenylphenyl ether	ug/kg	ND			ND	ND					
4-Nitroaniline	ug/kg	ND			ND	ND					
4-Nitrophenol	ug/kg	ND	30100	28200	574J	505J	2	2	27-125		MO
Acenaphthene	ug/kg	ND	30100	28200	13300	14000	44	50	48-114		5 MO
Acenaphthylene	ug/kg	ND	30100	28200	13800	15700	46	56	40-140		13
Anthracene	ug/kg	ND	30100	28200	14800	16600	49	59	40-140		11
Azobenzene	ug/kg	ND			ND	ND					
Benzo(a)anthracene	ug/kg	ND	30100	28200	15000	15300	50	54	40-140		2
Benzo(a)pyrene	ug/kg	ND	30100	28200	15600	16200	52	57	40-140		4
Benzo(b)fluoranthene	ug/kg	ND	30100	28200	16300	17200	54	61	40-140		5
Benzo(g,h,i)perylene	ug/kg	ND	30100	28200	9140	8720	30	31	40-140		5 MO
Benzo(k)fluoranthene	ug/kg	ND	30100	28200	15900	16000	53	57	40-140		.3
Benzoic acid	ug/kg	ND			ND	ND					
Benzyl alcohol	ug/kg	ND			ND	ND					
bis(2-Chloroethoxy)methane	ug/kg	ND			ND	ND					
bis(2-Chloroethyl) ether	ug/kg	ND			ND	ND					
bis(2-Chloroisopropyl) ether	ug/kg	ND			ND	ND					
bis(2-Ethylhexyl)phthalate	ug/kg	ND			ND	ND					
Butylbenzylphthalate	ug/kg	ND			ND	ND					
Carbazole	ug/kg	ND			ND	ND					
Chrysene	ug/kg	ND	30100	28200	13700	13900	45	49	40-140		1
Di-n-butylphthalate	ug/kg	ND			ND	ND					
Di-n-octylphthalate	ug/kg	ND			ND	ND					
Dibenz(a,h)anthracene	ug/kg	ND	30100	28200	12400	11800	41	42	40-140		6
Dibenzofuran	ug/kg	ND			ND	ND					
Diethylphthalate	ug/kg	ND			ND	ND					
Dimethylphthalate	ug/kg	ND			ND	ND					
Fluoranthene	ug/kg	ND	30100	28200	13100	12900	44	46	40-140		1
Fluorene	ug/kg	ND	30100	28200	13700	15700	45	56	40-140		14
Hexachloro-1,3-butadiene	ug/kg	ND			ND	ND					
Hexachlorobenzene	ug/kg	ND			ND	ND					
Hexachlorocyclopentadiene	ug/kg	ND			ND	ND					
Hexachloroethane	ug/kg	ND			ND	ND					
Indeno(1,2,3-cd)pyrene	ug/kg	ND	30100	28200	10700	10600	36	38	40-140		2 MO
Isophorone	ug/kg	ND			ND	ND					
N-Nitroso-di-n-propylamine	ug/kg	ND	30100	28200	18700	17200	62	61	43-126		8
N-Nitrosodimethylamine	ug/kg	ND			ND	ND					
N-Nitrosodiphenylamine	ug/kg	ND			ND	ND					
Naphthalene	ug/kg	ND	30100	28200	16800	16300	56	58	40-140		3
Nitrobenzene	ug/kg	ND			ND	ND					
Pentachlorophenol	ug/kg	ND	30100	28200	587J	576J	2	2	14-127		MO
Phenanthrene	ug/kg	ND	30100	28200	14300	15800	48	56	40-140		10
Phenol	ug/kg	ND	30100	28200	14500	13300	48	47	39-120		9
Pyrene	ug/kg	ND	30100	28200	11700	12000	39	43	43-135		3 MO
2,4,6-Tribromophenol (S)	%						29	26	10-123		

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027040

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 166362 166363											
Parameter	Units	3027040002	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits		
2-Fluorobiphenyl (S)	%						47	55	43-116		
2-Fluorophenol (S)	%						42	37	21-110		
Nitrobenzene-d5 (S)	%						50	51	35-114		
Phenol-d6 (S)	%						53	51	10-110		
Terphenyl-d14 (S)	%						52	57	33-141		

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### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H

Pace Project No.: 3027040

QC Batch:	OEXT/4827	Analysis Method	EPA 8270
QC Batch Method:	EPA 3510	Analysis Description	8270 Water MSSV
Associated Lab Samples:	3027040003, 3027040004		

METHOD BLANK: 166380

Matrix: Water

Associated Lab Samples: 3027040003, 3027040004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/09/10 15:34	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/09/10 15:34	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/09/10 15:34	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/09/10 15:34	
1-Methylnaphthalene	ug/L	ND	1.0	05/09/10 15:34	
2,4,5-Trichlorophenol	ug/L	ND	2.5	05/09/10 15:34	
2,4,6-Trichlorophenol	ug/L	ND	1.0	05/09/10 15:34	
2,4-Dichlorophenol	ug/L	ND	1.0	05/09/10 15:34	
2,4-Dimethylphenol	ug/L	ND	1.0	05/09/10 15:34	
2,4-Dinitrophenol	ug/L	ND	2.5	05/09/10 15:34	
2,4-Dinitrotoluene	ug/L	ND	1.0	05/09/10 15:34	
2,6-Dinitrotoluene	ug/L	ND	1.0	05/09/10 15:34	
2-Chloronaphthalene	ug/L	ND	1.0	05/09/10 15:34	
2-Chlorophenol	ug/L	ND	1.0	05/09/10 15:34	
2-Methylnaphthalene	ug/L	ND	1.0	05/09/10 15:34	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	05/09/10 15:34	
2-Nitroaniline	ug/L	ND	2.5	05/09/10 15:34	
2-Nitrophenol	ug/L	ND	1.0	05/09/10 15:34	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2.0	05/09/10 15:34	
3,3'-Dichlorobenzidine	ug/L	ND	1.0	05/09/10 15:34	
3-Nitroaniline	ug/L	ND	2.5	05/09/10 15:34	
4,6-Dinitro-2-methylphenol	ug/L	ND	2.5	05/09/10 15:34	
4-Bromophenylphenyl ether	ug/L	ND	1.0	05/09/10 15:34	
4-Chloro-3-methylphenol	ug/L	ND	1.0	05/09/10 15:34	
4-Chloroaniline	ug/L	ND	1.0	05/09/10 15:34	
4-Chlorophenylphenyl ether	ug/L	ND	1.0	05/09/10 15:34	
4-Nitroaniline	ug/L	ND	2.5	05/09/10 15:34	
4-Nitrophenol	ug/L	ND	1.0	05/09/10 15:34	
Acenaphthene	ug/L	ND	1.0	05/09/10 15:34	
Acenaphthylene	ug/L	ND	1.0	05/09/10 15:34	
Anthracene	ug/L	ND	1.0	05/09/10 15:34	
Azobenzene	ug/L	ND	1.0	05/09/10 15:34	
Benzo(a)anthracene	ug/L	ND	1.0	05/09/10 15:34	
Benzo(a)pyrene	ug/L	ND	1.0	05/09/10 15:34	
Benzo(b)fluoranthene	ug/L	ND	1.0	05/09/10 15:34	
Benzo(g,h,i)perylene	ug/L	ND	1.0	05/09/10 15:34	
Benzo(k)fluoranthene	ug/L	ND	1.0	05/09/10 15:34	
Benzoic acid	ug/L	ND	100	05/09/10 15:34	
Benzyl alcohol	ug/L	ND	1.0	05/09/10 15:34	
bis(2-Chloroethoxy)methane	ug/L	ND	1.0	05/09/10 15:34	
bis(2-Chloroethyl) ether	ug/L	ND	1.0	05/09/10 15:34	
bis(2-Chloroisopropyl) ether	ug/L	ND	1.0	05/09/10 15:34	
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0	05/09/10 15:34	

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## QUALITY CONTROL DATA

Project: 2H/4H

Pace Project No.: 3027040

METHOD BLANK: 166380

Matrix: Water

Associated Lab Samples: 3027040003, 3027040004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	1.0	05/09/10 15:34	
Carbazole	ug/L	ND	1.0	05/09/10 15:34	
Chrysene	ug/L	ND	1.0	05/09/10 15:34	
Di-n-butylphthalate	ug/L	ND	1.0	05/09/10 15:34	
Di-n-octylphthalate	ug/L	ND	1.0	05/09/10 15:34	
Dibenz(a,h)anthracene	ug/L	ND	1.0	05/09/10 15:34	
Dibenzofuran	ug/L	ND	1.0	05/09/10 15:34	
Diethylphthalate	ug/L	ND	1.0	05/09/10 15:34	
Dimethylphthalate	ug/L	ND	1.0	05/09/10 15:34	
Fluoranthene	ug/L	ND	1.0	05/09/10 15:34	
Fluorene	ug/L	ND	1.0	05/09/10 15:34	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	05/09/10 15:34	
Hexachlorobenzene	ug/L	ND	1.0	05/09/10 15:34	
Hexachlorocyclopentadiene	ug/L	ND	1.0	05/09/10 15:34	
Hexachloroethane	ug/L	ND	1.0	05/09/10 15:34	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	05/09/10 15:34	
Isophorone	ug/L	ND	1.0	05/09/10 15:34	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	05/09/10 15:34	
N-Nitrosodimethylamine	ug/L	ND	1.0	05/09/10 15:34	
N-Nitrosodiphenylamine	ug/L	ND	1.0	05/09/10 15:34	
Naphthalene	ug/L	ND	1.0	05/09/10 15:34	
Nitrobenzene	ug/L	ND	1.0	05/09/10 15:34	
Pentachlorophenol	ug/L	ND	2.5	05/09/10 15:34	
Phenanthrene	ug/L	ND	1.0	05/09/10 15:34	
Phenol	ug/L	ND	1.0	05/09/10 15:34	
Pyrene	ug/L	ND	1.0	05/09/10 15:34	
2,4,6-Tribromophenol (S)	%	50	10-123	05/09/10 15:34	
2-Fluorobiphenyl (S)	%	40	43-116	05/09/10 15:34	S1
2-Fluorophenol (S)	%	19	21-110	05/09/10 15:34	S1
Nitrobenzene-d5 (S)	%	36	35-114	05/09/10 15:34	
Phenol-d6 (S)	%	13	10-110	05/09/10 15:34	
Terphenyl-d14 (S)	%	52	33-141	05/09/10 15:34	

LABORATORY CONTROL SAMPLE: 166381

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	1.9	38	39-98	L0
1,2-Dichlorobenzene	ug/L		ND			
1,3-Dichlorobenzene	ug/L		ND			
1,4-Dichlorobenzene	ug/L	5	1.6	33	20-124	
1-Methylnaphthalene	ug/L	5	2.1	42	40-140	
2,4,5-Trichlorophenol	ug/L		ND			
2,4,6-Trichlorophenol	ug/L		ND			
2,4-Dichlorophenol	ug/L		ND			
2,4-Dimethylphenol	ug/L		ND			

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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3027040

LABORATORY CONTROL SAMPLE: 166381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L		ND			
2,4-Dinitrotoluene	ug/L	5	2.0	40	39-139	
2,6-Dinitrotoluene	ug/L		ND			
2-Chloronaphthalene	ug/L		ND			
2-Chlorophenol	ug/L	5	1.8	35	23-134	
2-Methylnaphthalene	ug/L	5	1.8	35	40-140	L0
2-Methylphenol(o-Cresol)	ug/L		ND			
2-Nitroaniline	ug/L		ND			
2-Nitrophenol	ug/L		ND			
3&4-Methylphenol(m&p Cresol)	ug/L		ND			
3,3'-Dichlorobenzidine	ug/L		ND			
3-Nitroaniline	ug/L		ND			
4,6-Dinitro-2-methylphenol	ug/L		ND			
4-Bromophenylphenyl ether	ug/L		ND			
4-Chloro-3-methylphenol	ug/L	5	2.2	44	22-147	
4-Chloroaniline	ug/L		ND			
4-Chlorophenylphenyl ether	ug/L		ND			
4-Nitroaniline	ug/L		ND			
4-Nitrophenol	ug/L	5	.65J	13	1-132	
Acenaphthene	ug/L	5	1.8	37	27-133	
Acenaphthylene	ug/L	5	1.8	37	33-145	
Anthracene	ug/L	5	1.9	38	27-133	
Azobenzene	ug/L		ND			
Benzo(a)anthracene	ug/L	5	2.4	49	33-142	
Benzo(a)pyrene	ug/L	5	2.4	48	17-163	
Benzo(b)fluoranthene	ug/L	5	2.6	53	24-159	
Benzo(g,h,i)perylene	ug/L	5	2.4	48	1-219	
Benzo(k)fluoranthene	ug/L	5	2.7	53	11-162	
Benzoic acid	ug/L		ND			
Benzyl alcohol	ug/L		ND			
bis(2-Chloroethoxy)methane	ug/L		ND			
bis(2-Chloroethyl) ether	ug/L		ND			
bis(2-Chloroisopropyl) ether	ug/L		ND			
bis(2-Ethylhexyl)phthalate	ug/L		ND			
Butylbenzylphthalate	ug/L		ND			
Carbazole	ug/L		ND			
Chrysene	ug/L	5	2.4	49	17-168	
Di-n-butylphthalate	ug/L		ND			
Di-n-octylphthalate	ug/L		ND			
Dibenz(a,h)anthracene	ug/L	5	2.4	47	1-227	
Dibenzofuran	ug/L		ND			
Diethylphthalate	ug/L		ND			
Dimethylphthalate	ug/L		ND			
Fluoranthene	ug/L	5	2.2	43	26-137	
Fluorene	ug/L	5	1.9	38	59-121	L0
Hexachloro-1,3-butadiene	ug/L		ND			
Hexachlorobenzene	ug/L		ND			
Hexachlorocyclopentadiene	ug/L		ND			

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### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3027040

LABORATORY CONTROL SAMPLE: 166381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L		ND			
Indeno(1,2,3-cd)pyrene	ug/L	5	2.5	50	1-171	
Isophorone	ug/L		ND			
N-Nitroso-di-n-propylamine	ug/L	5	2.0	41	1-230	
N-Nitrosodimethylamine	ug/L		ND			
N-Nitrosodiphenylamine	ug/L		ND			
Naphthalene	ug/L	5	1.8	37	21-133	
Nitrobenzene	ug/L		ND			
Pentachlorophenol	ug/L	5	2.1J	42	14-176	
Phenanthrene	ug/L	5	2.1	42	54-120 L0	
Phenol	ug/L	5	.71J	14	5-112	
Pyrene	ug/L	5	2.0	40	26-127	
2,4,6-Tribromophenol (S)	%			49	10-123	
2-Fluorobiphenyl (S)	%			38	43-116 S1	
2-Fluorophenol (S)	%			17	21-110 S1	
Nitrobenzene-d5 (S)	%			32	35-114 S1	
Phenol-d6 (S)	%			12	10-110	
Terphenyl-d14 (S)	%			49	33-141	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 166382 166383

Parameter	Units	3027017001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	5.1	5.2	2.4	2.8	47	54	39-98	16	
1,2-Dichlorobenzene	ug/L				ND	ND					
1,3-Dichlorobenzene	ug/L				ND	ND					
1,4-Dichlorobenzene	ug/L		5.1	5.2	2.2	2.4	43	46	20-124	7	
1-Methylnaphthalene	ug/L	ND	5.1	5.2	2.6	3.0	50	57	40-140	15	
2,4,5-Trichlorophenol	ug/L	ND			ND	ND					
2,4,6-Trichlorophenol	ug/L	ND			ND	ND					
2,4-Dichlorophenol	ug/L	ND			ND	ND					
2,4-Dimethylphenol	ug/L	ND			ND	ND					
2,4-Dinitrophenol	ug/L	ND			1.8J	ND					
2,4-Dinitrotoluene	ug/L	ND	5.1	5.2	2.5	2.9	49	56	39-139	14	
2,6-Dinitrotoluene	ug/L	ND			ND	ND					
2-Chloronaphthalene	ug/L	ND			ND	ND					
2-Chlorophenol	ug/L	ND	5.1	5.2	2.3	2.5	45	49	23-134	10	
2-Methylnaphthalene	ug/L	ND	5.1	5.2	2.2	2.6	43	51	40-140	19	
2-Methylphenol(o-Cresol)	ug/L	ND			ND	ND					
2-Nitroaniline	ug/L	ND			ND	ND					
2-Nitrophenol	ug/L	ND			ND	ND					
3&4-Methylphenol(m&p Cresol)	ug/L	ND			ND	ND					
3,3'-Dichlorobenzidine	ug/L	ND			ND	ND					
3-Nitroaniline	ug/L	ND			ND	ND					
4,6-Dinitro-2-methylphenol	ug/L	ND			ND	ND					
4-Bromophenylphenyl ether	ug/L	ND			ND	ND					

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(724)850-5600

### QUALITY CONTROL DATA

Project: 2H/4H

Pace Project No.: 3027040

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 166382 166383											
Parameter	Units	3027017001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Chloro-3-methylphenol	ug/L	ND	5.1	5.2	2.3	2.9	46	56	22-147	21	
4-Chloroaniline	ug/L	ND			ND	ND					
4-Chlorophenylphenyl ether	ug/L	ND			ND	ND					
4-Nitroaniline	ug/L	ND			ND	ND					
4-Nitrophenol	ug/L	ND	5.1	5.2	.63J	1.2	12	22	1-132		
Acenaphthene	ug/L	ND	5.1	5.2	2.5	2.8	49	54	27-133	10	
Acenaphthylene	ug/L	ND	5.1	5.2	2.4	2.9	48	55	33-145	16	
Anthracene	ug/L	ND	5.1	5.2	2.6	2.9	51	56	27-133	12	
Azobenzene	ug/L	ND			ND	ND					
Benzo(a)anthracene	ug/L	ND	5.1	5.2	3.2	3.7	63	71	33-142	13	
Benzo(a)pyrene	ug/L	ND	5.1	5.2	2.7	3.2	53	61	17-163	17	
Benzo(b)fluoranthene	ug/L	ND	5.1	5.2	3.1	3.5	61	68	24-159	13	
Benzo(g,h,i)perylene	ug/L	ND	5.1	5.2	2.5	3.0	50	59	1-219	18	
Benzo(k)fluoranthene	ug/L	ND	5.1	5.2	3.3	3.4	65	66	11-162	3	
Benzoic acid	ug/L	ND			ND	ND					
Benzyl alcohol	ug/L	ND			ND	ND					
bis(2-Chloroethoxy)methane	ug/L	ND			ND	ND					
bis(2-Chloroethyl) ether	ug/L	ND			ND	ND					
bis(2-Chloroisopropyl) ether	ug/L	ND			ND	ND					
bis(2-Ethylhexyl)phthalate	ug/L	ND			ND	ND					
Butylbenzylphthalate	ug/L	ND			ND	ND					
Carbazole	ug/L	ND			ND	ND					
Chrysene	ug/L	ND	5.1	5.2	3.3	3.7	65	72	17-168	11	
Di-n-butylphthalate	ug/L	ND			ND	ND					
Di-n-octylphthalate	ug/L	ND			ND	ND					
Dibenz(a,h)anthracene	ug/L	ND	5.1	5.2	2.4	2.9	48	57	1-227	19	
Dibenzofuran	ug/L	ND			ND	ND					
Diethylphthalate	ug/L	ND			ND	ND					
Dimethylphthalate	ug/L	ND			ND	ND					
Fluoranthene	ug/L	ND	5.1	5.2	2.9	3.4	57	66	26-137	17	
Fluorene	ug/L	ND	5.1	5.2	2.5	2.9	49	56	59-121	15 MO	
Hexachloro-1,3-butadiene	ug/L	ND			ND	ND					
Hexachlorobenzene	ug/L	ND			ND	ND					
Hexachlorocyclopentadiene	ug/L	ND			ND	ND					
Hexachloroethane	ug/L	ND			ND	ND					
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.1	5.2	2.6	3.2	51	63	1-171	23	
Isophorone	ug/L	ND			ND	ND					
N-Nitroso-di-n-propylamine	ug/L	ND	5.1	5.2	2.7	3.0	54	59	1-230	10	
N-Nitrosodimethylamine	ug/L	ND			ND	ND					
N-Nitrosodiphenylamine	ug/L	ND			ND	ND					
Naphthalene	ug/L	ND	5.1	5.2	2.4	2.8	46	54	21-133	16	
Nitrobenzene	ug/L	ND			ND	ND					
Pentachlorophenol	ug/L	ND	5.1	5.2	3.2	3.6	63	70	14-176	12	
Phenanthrene	ug/L	ND	5.1	5.2	2.8	3.1	55	59	54-120	10	
Phenol	ug/L	ND	5.1	5.2	.9J	1.0	18	19	5-112		
Pyrene	ug/L	ND	5.1	5.2	3.1	3.6	62	70	26-127	15	
2,4,6-Tribromophenol (S)	%						55	65	10-123		

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(724)850-5600

### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3027040

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 166382 166383											
Parameter	Units	3027017001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
2-Fluorobiphenyl (S)	%						47	52	43-116		
2-Fluorophenol (S)	%						31	30	21-110		
Nitrobenzene-d5 (S)	%						42	50	35-114		
Phenol-d6 (S)	%						17	17	10-110		
Terphenyl-d14 (S)	%						73	80	33-141		

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Greensburg, PA 15601  
(724)850-5600

## QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

QC Batch:	MSV/5733	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035 Low
Associated Lab Samples:	3027040001, 3027040002		

METHOD BLANK: 166413 Matrix: Solid

Associated Lab Samples: 3027040001, 3027040002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/04/10 16:29	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/04/10 16:29	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/04/10 16:29	
1,1-Dichloroethane	ug/kg	ND	5.0	05/04/10 16:29	
1,1-Dichloroethene	ug/kg	ND	5.0	05/04/10 16:29	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	05/04/10 16:29	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/04/10 16:29	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/04/10 16:29	
1,2-Dichloroethane	ug/kg	ND	5.0	05/04/10 16:29	
1,2-Dichloropropane	ug/kg	ND	5.0	05/04/10 16:29	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/04/10 16:29	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/04/10 16:29	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/04/10 16:29	
2-Butanone (MEK)	ug/kg	ND	10.0	05/04/10 16:29	
2-Hexanone	ug/kg	ND	10.0	05/04/10 16:29	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/04/10 16:29	
Acetone	ug/kg	ND	10.0	05/04/10 16:29	
Benzene	ug/kg	ND	5.0	05/04/10 16:29	
Bromochloromethane	ug/kg	ND	5.0	05/04/10 16:29	
Bromodichloromethane	ug/kg	ND	5.0	05/04/10 16:29	
Bromoform	ug/kg	ND	5.0	05/04/10 16:29	
Bromomethane	ug/kg	ND	5.0	05/04/10 16:29	
Carbon disulfide	ug/kg	ND	5.0	05/04/10 16:29	
Carbon tetrachloride	ug/kg	ND	5.0	05/04/10 16:29	
Chlorobenzene	ug/kg	ND	5.0	05/04/10 16:29	
Chloroethane	ug/kg	ND	5.0	05/04/10 16:29	
Chloroform	ug/kg	ND	5.0	05/04/10 16:29	
Chloromethane	ug/kg	ND	5.0	05/04/10 16:29	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/04/10 16:29	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/04/10 16:29	
Dibromochloromethane	ug/kg	ND	5.0	05/04/10 16:29	
Ethylbenzene	ug/kg	ND	5.0	05/04/10 16:29	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/04/10 16:29	
m&p-Xylene	ug/kg	ND	10.0	05/04/10 16:29	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/04/10 16:29	
Methylene Chloride	ug/kg	ND	5.0	05/04/10 16:29	
n-Butylbenzene	ug/kg	ND	5.0	05/04/10 16:29	
n-Propylbenzene	ug/kg	ND	5.0	05/04/10 16:29	
Naphthalene	ug/kg	ND	5.0	05/04/10 16:29	
o-Xylene	ug/kg	ND	5.0	05/04/10 16:29	
p-Isopropyltoluene	ug/kg	ND	5.0	05/04/10 16:29	
sec-Butylbenzene	ug/kg	ND	5.0	05/04/10 16:29	
Styrene	ug/kg	ND	5.0	05/04/10 16:29	

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CABOT-EPA 006922



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Greensburg, PA 15601  
(724)850-5600

## QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

METHOD BLANK: 166413

Matrix: Solid

Associated Lab Samples: 3027040001, 3027040002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/kg	ND	5.0	05/04/10 16:29	
Toluene	ug/kg	ND	5.0	05/04/10 16:29	
TOTAL BTEX	ug/kg	ND	30.0	05/04/10 16:29	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/04/10 16:29	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/04/10 16:29	
Trichloroethene	ug/kg	ND	5.0	05/04/10 16:29	
Vinyl chloride	ug/kg	ND	5.0	05/04/10 16:29	
Xylene (Total)	ug/kg	ND	15.0	05/04/10 16:29	
1,2-Dichloroethane-d4 (S)	%	115	70-130	05/04/10 16:29	
4-Bromofluorobenzene (S)	%	97	70-130	05/04/10 16:29	
Toluene-d8 (S)	%	94	70-130	05/04/10 16:29	

LABORATORY CONTROL SAMPLE: 166414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	20	19.8	99	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	20	17.9	90	70-130	
1,1,2-Trichloroethane	ug/kg	20	18.7	93	70-130	
1,1-Dichloroethane	ug/kg	20	20.8	104	70-130	
1,1-Dichloroethene	ug/kg	20	16.7	84	70-130	
1,2,4-Trichlorobenzene	ug/kg	20	18.3	91	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	19.2	96	70-130	
1,2-Dichlorobenzene	ug/kg	20	19.4	97	70-130	
1,2-Dichloroethane	ug/kg	20	21.2	106	70-130	
1,2-Dichloropropane	ug/kg	20	19.9	99	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	19.2	96	70-130	
1,3-Dichlorobenzene	ug/kg	20	19.4	97	70-130	
1,4-Dichlorobenzene	ug/kg	20	19.2	96	70-130	
2-Butanone (MEK)	ug/kg	20	22.8	114	70-130	
2-Hexanone	ug/kg	20	23.4	117	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	23.3	117	70-130	
Acetone	ug/kg	20	29.0	145	70-130 LO	
Benzene	ug/kg	20	20.4	102	70-130	
Bromochloromethane	ug/kg	20	20.4	102	70-130	
Bromodichloromethane	ug/kg	20	18.5	92	70-130	
Bromoform	ug/kg	20	15.4	77	70-130	
Bromomethane	ug/kg	20	21.8	109	70-130	
Carbon disulfide	ug/kg	20	25.9	130	70-130	
Carbon tetrachloride	ug/kg	20	18.4	92	70-130	
Chlorobenzene	ug/kg	20	19.3	96	70-130	
Chloroethane	ug/kg	20	20.6	103	70-130	
Chloroform	ug/kg	20	20.5	102	70-130	
Chloromethane	ug/kg	20	18.1	91	70-130	
cis-1,2-Dichloroethene	ug/kg	20	20.0	100	70-130	
cis-1,3-Dichloropropene	ug/kg	20	18.4	92	70-130	

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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project [REDACTED] 2H/4H  
Pace Project No.: 3027040

LABORATORY CONTROL SAMPLE. 166414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/kg	20	16.5	82	70-130	
Ethylbenzene	ug/kg	20	19.5	98	70-130	
Isopropylbenzene (Cumene)	ug/kg	20	19.7	98	70-130	
m&p-Xylene	ug/kg	40	39.5	99	70-130	
Methyl-tert-butyl ether	ug/kg	20	22.3	111	70-130	
Methylene Chloride	ug/kg	20	18.2	91	70-130	
n-Butylbenzene	ug/kg	20	19.5	97	70-130	
n-Propylbenzene	ug/kg	20	19.5	98	70-130	
Naphthalene	ug/kg	20	18.3	92	70-130	
o-Xylene	ug/kg	20	19.4	97	70-130	
p-Isopropyltoluene	ug/kg	20	19.5	98	70-130	
sec-Butylbenzene	ug/kg	20	19.7	98	70-130	
Styrene	ug/kg	20	18.0	90	70-130	
Tetrachloroethene	ug/kg	20	19.9	99	70-130	
Toluene	ug/kg	20	20.1	100	70-130	
TOTAL BTEX	ug/kg		119			
trans-1,2-Dichloroethene	ug/kg	20	17.5	88	70-130	
trans-1,3-Dichloropropene	ug/kg	20	16.4	82	70-130	
Trichloroethene	ug/kg	20	20.4	102	70-130	
Vinyl chloride	ug/kg	20	20.7	104	70-130	
Xylene (Total)	ug/kg	60	58.9	98	70-130	
1,2-Dichloroethane-d4 (S)	%			107	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			95	70-130	

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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3027040

QC Batch:	MSV/5728	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	3027040003, 3027040004		

METHOD BLANK: 166388 Matrix: Water  
Associated Lab Samples: 3027040003, 3027040004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	05/04/10 17:46	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/04/10 17:46	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/04/10 17:46	
1,1-Dichloroethane	ug/L	ND	1.0	05/04/10 17:46	
1,1-Dichloroethene	ug/L	ND	1.0	05/04/10 17:46	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/04/10 17:46	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/04/10 17:46	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/04/10 17:46	
1,2-Dichloroethane	ug/L	ND	1.0	05/04/10 17:46	
1,2-Dichloropropane	ug/L	ND	1.0	05/04/10 17:46	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/04/10 17:46	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/04/10 17:46	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/04/10 17:46	
2-Butanone (MEK)	ug/L	ND	10.0	05/04/10 17:46	
2-Hexanone	ug/L	ND	10.0	05/04/10 17:46	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	05/04/10 17:46	
Acetone	ug/L	ND	10.0	05/04/10 17:46	
Benzene	ug/L	ND	1.0	05/04/10 17:46	
Bromochloromethane	ug/L	ND	1.0	05/04/10 17:46	
Bromodichloromethane	ug/L	ND	1.0	05/04/10 17:46	
Bromoform	ug/L	ND	1.0	05/04/10 17:46	
Bromomethane	ug/L	ND	1.0	05/04/10 17:46	
Carbon disulfide	ug/L	ND	1.0	05/04/10 17:46	
Carbon tetrachloride	ug/L	ND	1.0	05/04/10 17:46	
Chlorobenzene	ug/L	ND	1.0	05/04/10 17:46	
Chloroethane	ug/L	ND	1.0	05/04/10 17:46	
Chloroform	ug/L	ND	1.0	05/04/10 17:46	
Chloromethane	ug/L	ND	1.0	05/04/10 17:46	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/04/10 17:46	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/04/10 17:46	
Dibromochloromethane	ug/L	ND	1.0	05/04/10 17:46	
Ethylbenzene	ug/L	ND	1.0	05/04/10 17:46	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/04/10 17:46	
m&p-Xylene	ug/L	ND	2.0	05/04/10 17:46	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/04/10 17:46	
Methylene Chloride	ug/L	ND	1.0	05/04/10 17:46	
n-Butylbenzene	ug/L	ND	1.0	05/04/10 17:46	
n-Propylbenzene	ug/L	ND	1.0	05/04/10 17:46	
Naphthalene	ug/L	ND	2.0	05/04/10 17:46	
o-Xylene	ug/L	ND	1.0	05/04/10 17:46	
p-Isopropyltoluene	ug/L	ND	1.0	05/04/10 17:46	
sec-Butylbenzene	ug/L	ND	1.0	05/04/10 17:46	
Styrene	ug/L	ND	1.0	05/04/10 17:46	

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(724)850-5600

### QUALITY CONTROL DATA

Project: 2H/4H

Pace Project No.: 3027040

METHOD BLANK: 166388

Matrix: Water

Associated Lab Samples: 3027040003, 3027040004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	05/04/10 17:46	
Toluene	ug/L	ND	1.0	05/04/10 17:46	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/04/10 17:46	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/04/10 17:46	
Trichloroethene	ug/L	ND	1.0	05/04/10 17:46	
Vinyl chloride	ug/L	ND	1.0	05/04/10 17:46	
Xylene (Total)	ug/L	ND	3.0	05/04/10 17:46	
1,2-Dichloroethane-d4 (S)	%	101	70-130	05/04/10 17:46	
4-Bromofluorobenzene (S)	%	98	70-130	05/04/10 17:46	
Toluene-d8 (S)	%	96	70-130	05/04/10 17:46	

LABORATORY CONTROL SAMPLE: 166389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.7	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.9	104	70-130	
1,1,2-Trichloroethane	ug/L	20	20.8	104	70-130	
1,1-Dichloroethane	ug/L	20	19.9	99	70-130	
1,1-Dichloroethene	ug/L	20	16.6	83	70-130	
1,2,4-Trichlorobenzene	ug/L	20	21.7	109	70-130	
1,2,4-Trimethylbenzene	ug/L	20	20.8	104	70-130	
1,2-Dichlorobenzene	ug/L	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	20	20.4	102	70-130	
1,2-Dichloropropane	ug/L	20	20.4	102	70-130	
1,3,5-Trimethylbenzene	ug/L	20	21.3	106	70-130	
1,3-Dichlorobenzene	ug/L	20	20.7	104	70-130	
1,4-Dichlorobenzene	ug/L	20	21.3	106	70-130	
2-Butanone (MEK)	ug/L	20	24.2	121	70-130	
2-Hexanone	ug/L	20	24.2	121	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	23.9	119	70-130	
Acetone	ug/L	20	27.8	139	70-130 L1	
Benzene	ug/L	20	20.1	100	70-130	
Bromochloromethane	ug/L	20	18.6	93	70-130	
Bromodichloromethane	ug/L	20	19.6	98	70-130	
Bromoform	ug/L	20	18.1	90	70-130	
Bromomethane	ug/L	20	44.2	221	70-130 L1	
Carbon disulfide	ug/L	20	25.2	126	70-130	
Carbon tetrachloride	ug/L	20	21.6	108	70-130	
Chlorobenzene	ug/L	20	21.0	105	70-130	
Chloroethane	ug/L	20	20.5	102	70-130	
Chloroform	ug/L	20	20.4	102	70-130	
Chloromethane	ug/L	20	17.1	85	70-130	
cis-1,2-Dichloroethene	ug/L	20	20.4	102	70-130	
cis-1,3-Dichloropropene	ug/L	20	19.6	98	70-130	
Dibromochloromethane	ug/L	20	19.0	95	70-130	

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(724)850-5600

### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3027040

LABORATORY CONTROL SAMPLE: 166389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	21.0	105	70-130	
Isopropylbenzene (Cumene)	ug/L	20	22.1	111	70-130	
m&p-Xylene	ug/L	40	42.9	107	70-130	
Methyl-tert-butyl ether	ug/L	20	18.9	95	70-130	
Methylene Chloride	ug/L	20	18.7	94	70-130	
n-Butylbenzene	ug/L	20	21.8	109	70-130	
n-Propylbenzene	ug/L	20	21.8	109	70-130	
Naphthalene	ug/L	20	22.9	114	70-130	
o-Xylene	ug/L	20	20.2	101	70-130	
p-Isopropyltoluene	ug/L	20	21.9	110	70-130	
sec-Butylbenzene	ug/L	20	21.8	109	70-130	
Styrene	ug/L	20	20.3	102	70-130	
Tetrachloroethene	ug/L	20	20.9	104	70-130	
Toluene	ug/L	20	20.5	103	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.6	93	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.6	93	70-130	
Trichloroethene	ug/L	20	19.9	100	70-130	
Vinyl chloride	ug/L	20	20.5	103	70-130	
Xylene (Total)	ug/L	60	63.1	105	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

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(724)850-5600

### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No.: 3027040

QC Batch:	PMST/1829	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples: 3027040001, 3027040002			

SAMPLE DUPLICATE: 166370

Parameter	Units	3027013001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	19.7	18.1	9	

SAMPLE DUPLICATE: 166371

Parameter	Units	3027013002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	22.2	20.6	7	

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CABOT-EPA 006928



## QUALIFIERS

Project: [REDACTED] 2H/4H  
Pace Project No.. 3027040

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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### LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

### WORKORDER QUALIFIERS

WO 3027040

[1] This project was revised on 6/11/10 in order to Jflag dissolved T1.

### ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

S0 Surrogate recovery outside laboratory control limits.

S1 Surrogate recovery outside laboratory control limits (confirmed by re-analysis).



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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: XXXXXXXXXX 2H/4H  
Pace Project No : 3027040

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027040001	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-R.PIT	EPA 3050	MPRP/3795	EPA 6010B	ICP/3407
3027040002	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-R.PIT	EPA 3050	MPRP/3795	EPA 6010B	ICP/3407
3027040003	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-SUMP	EPA 3005	MPRP/3796	EPA 6010B	ICP/3408
3027040004	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-H.D. WELL	EPA 3005	MPRP/3796	EPA 6010B	ICP/3408
3027040003	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-SUMP	EPA 3005	MPRP/3797	EPA 6010	ICP/3409
3027040004	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-H.D. WELL	EPA 3005	MPRP/3797	EPA 6010	ICP/3409
3027040003	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-SUMP	EPA 7470	MERP/1885	EPA 7470	MERC/1843
3027040004	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-H.D. WELL	EPA 7470	MERP/1885	EPA 7470	MERC/1843
3027040003	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-SUMP	EPA 7470	MERP/1884	EPA 7470	MERC/1842
3027040004	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-H.D. WELL	EPA 7470	MERP/1884	EPA 7470	MERC/1842
3027040001	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-R.PIT	EPA 7471	MERP/1881	EPA 7471	MERC/1839
3027040002	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-R.PIT	EPA 7471	MERP/1881	EPA 7471	MERC/1839
3027040001	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-R.PIT	EPA 3546	OEXT/4826	EPA 8270	MSSV/2092
3027040002	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-R.PIT	EPA 3546	OEXT/4826	EPA 8270	MSSV/2092
3027040003	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-SUMP	EPA 3510	OEXT/4827	EPA 8270	MSSV/2089
3027040004	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-H.D. WELL	EPA 3510	OEXT/4827	EPA 8270	MSSV/2089
3027040001	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-R.PIT	EPA 8260	MSV/5733		
3027040002	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-R.PIT	EPA 8260	MSV/5733		
3027040003	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-SUMP	EPA 8260	MSV/5728		
3027040004	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-H.D. WELL	EPA 8260	MSV/5728		
3027040001	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-R.PIT	ASTM D2974-87	PMST/1829		
3027040002	<span style="background-color: black; color: black;">XXXXXXXXXX</span> 2H/4H-R.PIT	ASTM D2974-87	PMST/1829		

Date: 06/11/2010 05:17 PM

### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 006930

Data File: \\30wintarget\chem\30msv1.i\1050310.b\5.b\10503075.d  
Report Date: 07-May-2010 07:40

Pace Analytical Services Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:  
Lab Smp Id: 3027040001  
Operator : JEW  
Sample Location:  
Sample Matrix: SOIL  
Analysis Type: VOA  
Inj Date: 04-MAY-2010 18:05

Client SDG: 5.b  
Sample Date:  
Sample Point:  
Date Received:  
Level: LOW

Number TICs found: 12

CONCENTRATION UNITS:  
(ug/L or ug/KG) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	Unknown Hydrocarbon	6.625	156	J
2.	Unknown Hydrocarbon	7.106	407	J
3.	Unknown Hydrocarbon	7.343	356	J
4. 2958-76-1	Naphthalene, decahydro-2-me	7.422	172	NJ
5.	Unknown Hydrocarbon	7.520	275	J
6.	Unknown Hydrocarbon	7.593	217	J
7.	Unknown Hydrocarbon	7.641	331	J
8.	Unknown Cycloalkane	7.775	248	J
9.	Unknown Hydrocarbon	7.812	254	J
10.	Unknown Hydrocarbon	7.909	230	J
11.	Unknown Aromatic Hydrocarbo	7.952	145	J
12.	Unknown Hydrocarbon	8.280	138	J

Data File: \\30wintarget\chem\30msv1.i\1050310.b\5.b\10503076.d  
Report Date: 07-May-2010 07:40

Pace Analytical Services Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:  
Lab Smp Id: 3027040002  
Operator : JEW  
Sample Location:  
Sample Matrix: SOIL  
Analysis Type: VOA  
Inj Date: 04-MAY-2010 18:29

Client SDG: 5.b  
Sample Date:  
Sample Point:  
Date Received:  
Level: LOW

Number TICs found: 12

CONCENTRATION UNITS:  
(ug/L or ug/KG) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.	Unknown Hydrocarbon	7.107	185	J
2.	Unknown	7.192	65.1	J
3.	Unknown Aromatic Hydrocarbo	7.344	212	J
4.	Unknown Aromatic Hydrocarbo	7.424	77.8	J
5.	Unknown Hydrocarbon	7.521	112	J
6.	Unknown	7.576	191	J
7.	Unknown	7.643	151	J
8.	Unknown Cycloalkane	7.776	99.5	J
9.	Unknown	7.813	103	J
10.	Unknown	7.880	61.3	J
11.	Unknown Hydrocarbon	7.910	92.4	J
12.	Unknown Hydrocarbon	8.093	70.4	J

Data File: \\30wintarget\chem\30msv1.i\1050310.b\5.b\10503071.d  
Report Date: 07-May-2010 07:40

Pace Analytical Services Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:  
Lab Smp Id: 166413  
Operator : JEW  
Sample Location:  
Sample Matrix: SOIL  
Analysis Type: VOA  
Inj Date: 04-MAY-2010 16:29

Client SDG: 5.b  
Sample Date:  
Sample Point:  
Date Received:  
Level: LOW

Number TICs found: 2

CONCENTRATION UNITS:  
(ug/L or ug/KG) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Column Bleed	6.547	10.7	J
2.	Column Bleed	7.283	4.62	J

Data File: \\30wintarget\chem\30msv3.i\3100504.b\3.b\30504063.d  
Report Date: 05-May-2010 11:55

Pace Analytical Services, Inc

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: URS Corporation - PG04-MAY-2010 12:40      Client SDG: 30MSV3-  
Lab Smp Id: 3027040003      Client Smp ID: [REDACTED] 2H/4H-SUMP  
Operator : JAS      Sample Date: 01-MAY-2010  
Sample Location:      Sample Point:  
Sample Matrix: WATER      Date Received: 04-MAY-2010 12:40  
Analysis Type: VOA      Level: LOW  
Inj Date: 05-MAY-2010 01:11

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

Data File: \\30wintarget\chem\30msv3.i\3100504.b\3.b\30504065.d  
Report Date: 05-May-2010 11:55

Pace Analytical Services, Inc

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name: URS Corporation - PG04-MAY-2010 12:40      Client SDG: 30MSV3-  
Lab Smp Id: 3027040004      Client Smp ID: [REDACTED] 2H/4H-H.D.  
Operator : JAS      Sample Date: 01-MAY-2010  
Sample Location:      Sample Point:  
Sample Matrix: WATER      Date Received: 04-MAY-2010 12:40  
Analysis Type: VOA      Level: LOW  
Inj Date: 05-MAY-2010 01:37

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====

Data File: \\30wintarget\chem\30msv3.i\3100504.b\3.b\30504029.d  
Report Date: 05-May-2010 11:55

Pace Analytical Services, Inc

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:  
Lab Smp Id: 166216  
Operator : JAS  
Sample Location:  
Sample Matrix: WATER  
Analysis Type: VOA  
Inj Date: 04-MAY-2010 17:46

Client SDG: 30MSV3-3  
Client Smp ID: MB  
Sample Date:  
Sample Point:  
Date Received: 05-MAY-2010 08:01  
Level: LOW

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====





**\*Important Note:** By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any amounts not paid within 30 days.



# Sample Condition Upon Receipt

5MB

Client Name: URS

Project # 3027040

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☐ yes ☒ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other foam

Thermometer Used 3 05

Type of Ice: ☒ Wet ☐ Blue ☐ None

☒ Samples on Ice, cooling process has begun

Cooler Temperature 5.2

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 5-4-10-22

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>3 day</u>
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>AO/SL</u>	
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: <u>VOA</u> , coliform, TOC, O&G, WL-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>✓</u> Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

## Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: sample 001 suppose to be solid but aqueous bottles used, sample 001 is solid sample  
sample 002 suppose to be Aqueous but solid bottles used, sample 002 is solid.

Project Manager Review: \_\_\_\_\_

Date: 5/4/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010

CABOT-EPA 006938



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

June 15, 2010

Mr. Jim Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

RE: Project: [REDACTED] 2H/4H 39938634.00017  
Pace Project No.: 3027322

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 08, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com  
Project Manager

Enclosures

# **REPORT OF LABORATORY ANALYSIS**

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Greensburg, PA 15601  
(724)850-5600

## CERTIFICATIONS

Project. [REDACTED] 2H/4H 39938634.00017  
Pace Project No.: 3027322

### Pennsylvania Certification IDs

1638 Roseytown Road Suites 2,3&4 Greensburg, PA  
15601  
Wyoming Certification #: 8TMS-Q  
Wisconsin/PADEP Certification  
West Virginia Certification #: 143  
Washington Certification #: C1941  
Virginia Certification #: 00112  
Virgin Island/PADEP Certification  
Utah/NELAC Certification #: ANTE  
Texas/NELAC Certification #: T104704188-09 TX  
Tennessee Certification #: TN2867  
South Dakota Certification  
Puerto Rico Certification #: PA01457  
Pennsylvania/NELAC Certification #: 65-00282  
Oregon/NELAC Certification #: PA200002  
North Carolina Certification #: 42706  
New York/NELAC Certification #: 10888  
New Mexico Certification  
New Jersey/NELAC Certification #: PA 051  
New Hampshire/NELAC Certification #: 2976  
Nevada Certification  
Montana Certification #: Cert 0082  
Missouri Certification #: 235

Michigan/PADEP Certification  
Massachusetts Certification #: M-PA1457  
Maryland Certification #: 308  
Maine Certification #: PA0091  
Louisiana/NELAC Certification #: LA080002  
Louisiana/NELAC Certification #: 4086  
Kentucky Certification #: 90133  
Kansas/NELAC Certification #: E-10358  
Iowa Certification #: 391  
Indiana/PADEP Certification  
Illinois/PADEP Certification  
Idaho Certification  
Hawaii/PADEP Certification  
Guam/PADEP Certification  
Florida/NELAC Certification #: E87683  
Delaware Certification  
Connecticut Certification #: PH 0694  
Colorado Certification  
California/NELAC Certification #: 04222CA  
Arkansas Certification  
Arizona Certification #: AZ0734  
Alabama Certification #: 41590

## REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027322001	DW	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322002	HD Well	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS, SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322003	DG Sump	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322004	UG Sump	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027322005	-DG Sump-Sed	SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3027322006	-DG Sump-Sed ASTM	EPA 9034	DLD	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
3027322007	UG Sump-Sed	SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
3027322008	UG Sump-Sed ASTM	EPA 7471	CTS	1	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
3027322009	Upstream	SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
3027322010	Downstream	EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA

### REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project: 2H/4H 39938634 00017  
Pace Project No.: 3027322

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027322011	SR29E-CUL	EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322012	SR29E-CUL-Sed	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
3027322013	SR29E-CUL-Sed ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322014	Upstream-Sed	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
3027322015	Upstream-Sed ASTM	SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
3027322016	Downstream-Sed	EPA 7471	CTS	1	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
3027322017	Downstream-Sed ASTM	SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
3027322018	Field	EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		Field ASTM			

### REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project: 2H/4H 39938634.00017  
Pace Project No : 3027322

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027322020	DW	SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
3027322021	DW	SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
3027322022	HD Well	SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
3027322023	HD Well	SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA

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### SAMPLE ANALYTE COUNT

Project: 2H/4H 39938634.00017  
Pace Project No : 3027322

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3027322024	P Tank	SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	CTS	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 2540D	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322025	HD Sump-Sed	EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
		EPA 9034	DLD	1	PASI-PA
3027322026	HD Sump-Sed ASTM	SM 5540C	DLD	1	PASI-PA
3027322027	HD-Sed	SM 4500-CI-E	DJT	1	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 7471	CTS	1	PASI-PA
		EPA 8260	JEW	55	PASI-PA
		ASTM D2974-87	DSC	1	PASI-PA
3027322028	HD-Sed ASTM	EPA 9034	DLD	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3027322029	TB-01	EPA 8260	JAS	54	PASI-PA

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: DW Lab ID: 3027322001 Collected: 05/06/10 12:30 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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### 6010 MET ICP

Analytical Method: EPA 6010B Preparation Method: EPA 3005

Aluminum	ND ug/L	50.0	1	05/10/10 13:00	05/13/10 11:47	7429-90-5
Antimony	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 11:47	7440-36-0
Arsenic	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 11:47	7440-38-2
Barium	106 ug/L	10.0	1	05/10/10 13:00	05/13/10 11:47	7440-39-3
Beryllium	ND ug/L	1.0	1	05/10/10 13:00	05/13/10 11:47	7440-41-7
Boron	ND ug/L	50.0	1	05/10/10 13:00	05/13/10 11:47	7440-42-8
Cadmium	ND ug/L	1.0	1	05/10/10 13:00	05/13/10 11:47	7440-43-9
Calcium	29400 ug/L	1000	1	05/10/10 13:00	05/13/10 11:47	7440-70-2
Chromium	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 11:47	7440-47-3
Cobalt	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 11:47	7440-48-4
Copper	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 11:47	7440-50-8
Iron	ND ug/L	50.0	1	05/10/10 13:00	05/13/10 11:47	7439-89-6
Lead	ND ug/L	2.0	1	05/10/10 13:00	05/13/10 11:47	7439-92-1
Magnesium	8090 ug/L	200	1	05/10/10 13:00	05/13/10 11:47	7439-95-4
Manganese	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 11:47	7439-96-5
Molybdenum	37.0 ug/L	20.0	1	05/10/10 13:00	05/13/10 11:47	7439-98-7
Nickel	ND ug/L	10.0	1	05/10/10 13:00	05/13/10 11:47	7440-02-0
Potassium	1190 ug/L	500	1	05/10/10 13:00	05/13/10 11:47	7440-09-7
Selenium	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 11:47	7782-49-2
Silver	ND ug/L	1.0	1	05/10/10 13:00	05/13/10 11:47	7440-22-4
Sodium	7490 ug/L	1000	1	05/10/10 13:00	05/13/10 11:47	7440-23-5
Thallium	ND ug/L	10.0	1	05/10/10 13:00	05/13/10 11:47	7440-28-0
Vanadium	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 11:47	7440-62-2
Zinc	ND ug/L	10.0	1	05/10/10 13:00	05/13/10 11:47	7440-66-6

### 6010 MET ICP, Lab Filtered

Analytical Method: EPA 6010 Preparation Method: EPA 3005

Aluminum, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 12:03	7429-90-5
Antimony, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:03	7440-36-0
Arsenic, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:03	7440-38-2
Barium, Dissolved	98.2 ug/L	10.0	1	05/11/10 14:24	05/12/10 12:03	7440-39-3
Beryllium, Dissolved	ND ug/L	1.0	1	05/11/10 14:24	05/12/10 12:03	7440-41-7
Boron, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 12:03	7440-42-8
Cadmium, Dissolved	ND ug/L	1.0	1	05/11/10 14:24	05/12/10 12:03	7440-43-9
Calcium, Dissolved	27900 ug/L	1000	1	05/11/10 14:24	05/12/10 12:03	7440-70-2
Chromium, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:03	7440-47-3
Cobalt, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:03	7440-48-4
Copper, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:03	7440-50-8
Iron, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 12:03	7439-89-6
Lead, Dissolved	2.9 ug/L	2.0	1	05/11/10 14:24	05/12/10 12:03	7439-92-1
Magnesium, Dissolved	7660 ug/L	200	1	05/11/10 14:24	05/12/10 12:03	7439-95-4
Manganese, Dissolved	5.4 ug/L	5.0	1	05/11/10 14:24	05/12/10 12:03	7439-96-5
Molybdenum, Dissolved	ND ug/L	20.0	1	05/11/10 14:24	05/12/10 12:03	7439-98-7
Nickel, Dissolved	ND ug/L	10.0	1	05/11/10 14:24	05/12/10 12:03	7440-02-0
Potassium, Dissolved	1110 ug/L	500	1	05/11/10 14:24	05/12/10 12:03	7440-09-7
Selenium, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:03	7782-49-2
Silver, Dissolved	ND ug/L	1.0	1	05/11/10 14:24	05/12/10 12:03	7440-22-4
Sodium, Dissolved	7100 ug/L	1000	1	05/11/10 14:24	05/12/10 12:03	7440-23-5

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: <div>DW</div>	Lab ID: 3027322001	Collected: 05/06/10 12:30	Received: 05/08/10 09:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Thallium, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 12:03	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 12:03	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 12:03	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	05/11/10 11:36	05/12/10 07:27	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND ug/L		0.20	1	05/11/10 11:37	05/12/10 08:16	7439-97-6	
<b>8260 MSV</b> Analytical Method: EPA 8260								
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 17:19	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/10/10 17:19	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/10/10 17:19	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 17:19	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		05/10/10 17:19	75-35-4	
2,4-Trichlorobenzene	ND ug/L		1.0	1		05/10/10 17:19	120-82-1	
1,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 17:19	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 17:19	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		05/10/10 17:19	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 17:19	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 17:19	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 17:19	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 17:19	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 17:19	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 17:19	78-93-3	
2-Hexanone	ND ug/L		10.0	1		05/10/10 17:19	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/10/10 17:19	108-10-1	
Acetone	ND ug/L		10.0	1		05/10/10 17:19	67-64-1	
Benzene	ND ug/L		1.0	1		05/10/10 17:19	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		05/10/10 17:19	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		05/10/10 17:19	75-27-4	
Bromoform	ND ug/L		1.0	1		05/10/10 17:19	75-25-2	
Bromomethane	ND ug/L		1.0	1		05/10/10 17:19	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/10/10 17:19	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/10/10 17:19	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/10/10 17:19	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/10/10 17:19	75-00-3	
Chloroform	ND ug/L		1.0	1		05/10/10 17:19	67-66-3	
Chloromethane	ND ug/L		1.0	1		05/10/10 17:19	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		05/10/10 17:19	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		05/10/10 17:19	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/10/10 17:19	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/10/10 17:19	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		05/10/10 17:19	75-09-2	
Naphthalene	ND ug/L		2.0	1		05/10/10 17:19	91-20-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DW Lab ID: 3027322001 Collected: 05/06/10 12:30 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260								
Styrene	ND	ug/L	1.0	1		05/10/10 17:19	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/10 17:19	127-18-4	
Toluene	ND	ug/L	1.0	1		05/10/10 17:19	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/10/10 17:19	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/10/10 17:19	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/10/10 17:19	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 17:19	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 17:19	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/10/10 17:19	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/10/10 17:19	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/10/10 17:19	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/10/10 17:19	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/10/10 17:19	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/10/10 17:19	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 17:19	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 17:19	10061-02-6	
4-Bromofluorobenzene (S)	98	%	70-130	1		05/10/10 17:19	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130	1		05/10/10 17:19	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		05/10/10 17:19	2037-26-5	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C								
Total Dissolved Solids	201	mg/L	10.0	1		05/10/10 17:30		
<b>2540D Total Suspended Solids</b> Analytical Method: SM 2540D								
Total Suspended Solids	ND	mg/L	4.0	1		05/10/10 21:20		
<b>5540C MBAS Surfactants</b> Analytical Method: SM 5540C								
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		2c
<b>9034 Sulfide Water</b> Analytical Method: EPA 9034								
Sulfide	ND	mg/L	1.0	1		05/12/10 23:40		
<b>4500 Chloride</b> Analytical Method: SM 4500-Cl-E								
Chloride	5.4	mg/L	3.0	1		05/12/10 00:00	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample:	HD Well	Lab ID: 3027322002	Collected: 05/06/10 13:00	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	125	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:49	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:49	7440-36-0	
Arsenic	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:49	7440-38-2	
Barium	94.1	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:49	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:49	7440-41-7	
Boron	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:49	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:49	7440-43-9	
Calcium	12900	ug/L	1000	1	05/10/10 13:00	05/13/10 11:49	7440-70-2	
Chromium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:49	7440-47-3	
Cobalt	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:49	7440-48-4	
Copper	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:49	7440-50-8	
Iron	127	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:49	7439-89-6	
Lead	ND	ug/L	2.0	1	05/10/10 13:00	05/13/10 11:49	7439-92-1	
Magnesium	2800	ug/L	200	1	05/10/10 13:00	05/13/10 11:49	7439-95-4	
Manganese	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:49	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/10/10 13:00	05/13/10 11:49	7439-98-7	
Nickel	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:49	7440-02-0	
Potassium	2530	ug/L	500	1	05/10/10 13:00	05/13/10 11:49	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:49	7782-49-2	
Silver	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:49	7440-22-4	
Sodium	4860	ug/L	1000	1	05/10/10 13:00	05/13/10 11:49	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:49	7440-28-0	
Vanadium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:49	7440-62-2	
Zinc	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:49	7440-66-6	

<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Aluminum, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:19	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:19	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:19	7440-38-2	
Barium, Dissolved	85.8	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:19	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:19	7440-41-7	
Boron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:19	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:19	7440-43-9	
Calcium, Dissolved	13500	ug/L	1000	1	05/11/10 14:24	05/12/10 12:19	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:19	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:19	7440-48-4	
Copper, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:19	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:19	7439-89-6	
Lead, Dissolved	2.1	ug/L	2.0	1	05/11/10 14:24	05/12/10 12:19	7439-92-1	
Magnesium, Dissolved	2900	ug/L	200	1	05/11/10 14:24	05/12/10 12:19	7439-95-4	
Manganese, Dissolved	6.4	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:19	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	05/11/10 14:24	05/12/10 12:19	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:19	7440-02-0	
Potassium, Dissolved	2580	ug/L	500	1	05/11/10 14:24	05/12/10 12:19	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:19	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:19	7440-22-4	
Sodium, Dissolved	5190	ug/L	1000	1	05/11/10 14:24	05/12/10 12:19	7440-23-5	

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## REPORT OF LABORATORY ANALYSIS

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: <span style="background-color: black; color: black;">XXXXXXXXXX</span> HD Well		Lab ID: 3027322002	Collected: 05/06/10 13.00	Received: 05/08/10 09.07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3005						
Thallium, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	06/14/10 16:55	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 12:19	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 12:19	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND ug/L		0.20	1	05/11/10 11:36	05/12/10 07:32	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND ug/L		0.20	1	05/11/10 11:37	05/12/10 08:25	7439-97-6	
<b>8260 MSV</b>		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 17:45	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/10/10 17:45	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/10/10 17:45	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 17:45	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		05/10/10 17:45	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		05/10/10 17:45	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 17:45	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 17:45	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		05/10/10 17:45	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 17:45	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 17:45	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 17:45	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 17:45	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 17:45	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 17:45	78-93-3	
2-Hexanone	ND ug/L		10.0	1		05/10/10 17:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/10/10 17:45	108-10-1	
Acetone	ND ug/L		10.0	1		05/10/10 17:45	67-64-1	
Benzene	ND ug/L		1.0	1		05/10/10 17:45	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		05/10/10 17:45	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		05/10/10 17:45	75-27-4	
Bromoform	ND ug/L		1.0	1		05/10/10 17:45	75-25-2	
Bromomethane	ND ug/L		1.0	1		05/10/10 17:45	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/10/10 17:45	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/10/10 17:45	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/10/10 17:45	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/10/10 17:45	75-00-3	
Chloroform	ND ug/L		1.0	1		05/10/10 17:45	67-66-3	
Chloromethane	ND ug/L		1.0	1		05/10/10 17:45	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		05/10/10 17:45	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		05/10/10 17:45	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/10/10 17:45	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/10/10 17:45	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		05/10/10 17:45	75-09-2	
Naphthalene	ND ug/L		2.0	1		05/10/10 17:45	91-20-3	

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(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: <span style="background-color: black; color: black;">XXXXXXXXXX</span> HD Well		Lab ID: 3027322002	Collected: 05/06/10 13:00	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Styrene	ND	ug/L	1.0	1		05/10/10 17:45	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/10 17:45	127-18-4	
Toluene	ND	ug/L	1.0	1		05/10/10 17:45	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/10/10 17:45	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/10/10 17:45	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/10/10 17:45	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 17:45	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 17:45	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/10/10 17:45	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/10/10 17:45	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/10/10 17:45	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/10/10 17:45	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/10/10 17:45	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/10/10 17:45	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 17:45	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 17:45	10061-02-6	
4-Bromofluorobenzene (S)	97 %		70-130	1		05/10/10 17:45	460-00-4	
2-Dichloroethane-d4 (S)	118 %		70-130	1		05/10/10 17:45	17060-07-0	
luene-d8 (S)	96 %		70-130	1		05/10/10 17:45	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	103	mg/L	10.0	1		05/12/10 21:12		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND	mg/L	4.0	1		05/10/10 21:20		
5540C MBAS Surfactants		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		2c
9034 Sulfide Water		Analytical Method: EPA 9034						
Sulfide	ND	mg/L	1.0	1		05/12/10 23:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	6.7	mg/L	3.0	1		05/12/10 20:20	16887-00-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H 39938634 00017  
Pace Project No.: 3027322

Sample: **██████ DG Sump** Lab ID: **3027322003** Collected: 05/06/10 13:30 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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### 6010 MET ICP

Analytical Method: EPA 6010B Preparation Method: EPA 3005

Aluminum	11500	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:52	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:52	7440-36-0	
Arsenic	19.6	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:52	7440-38-2	
Barium	725	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:52	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:52	7440-41-7	
Boron	64.4	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:52	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:52	7440-43-9	
Calcium	36700	ug/L	1000	1	05/10/10 13:00	05/13/10 11:52	7440-70-2	
Chromium	13.2	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:52	7440-47-3	
Cobalt	13.9	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:52	7440-48-4	
Copper	23.9	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:52	7440-50-8	
Iron	19500	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:52	7439-89-6	
Lead	29.6	ug/L	2.0	1	05/10/10 13:00	05/13/10 11:52	7439-92-1	
Magnesium	8670	ug/L	200	1	05/10/10 13:00	05/13/10 11:52	7439-95-4	
Manganese	4840	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:52	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/10/10 13:00	05/13/10 11:52	7439-98-7	
Nickel	18.4	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:52	7440-02-0	
Potassium	9950	ug/L	500	1	05/10/10 13:00	05/13/10 11:52	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:52	7782-49-2	
Silver	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:52	7440-22-4	
Sodium	65800	ug/L	1000	1	05/10/10 13:00	05/13/10 11:52	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:52	7440-28-0	
Vanadium	15.1	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:52	7440-62-2	
Zinc	152	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:52	7440-66-6	

### 6010 MET ICP, Lab Filtered

Analytical Method: EPA 6010 Preparation Method: EPA 3005

Aluminum, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:22	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:22	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:22	7440-38-2	
Barium, Dissolved	85.9	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:22	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:22	7440-41-7	
Boron, Dissolved	56.9	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:22	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:22	7440-43-9	
Calcium, Dissolved	31400	ug/L	1000	1	05/11/10 14:24	05/12/10 12:22	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:22	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:22	7440-48-4	
Copper, Dissolved	7.8	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:22	7440-50-8	
Iron, Dissolved	208	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:22	7439-89-6	
Lead, Dissolved	2.6	ug/L	2.0	1	05/11/10 14:24	05/12/10 12:22	7439-92-1	
Magnesium, Dissolved	5380	ug/L	200	1	05/11/10 14:24	05/12/10 12:22	7439-95-4	
Manganese, Dissolved	372	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:22	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	05/11/10 14:24	05/12/10 12:22	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:22	7440-02-0	
Potassium, Dissolved	7760	ug/L	500	1	05/11/10 14:24	05/12/10 12:22	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:22	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:22	7440-22-4	
Sodium, Dissolved	65900	ug/L	1000	1	05/11/10 14:24	05/12/10 12:22	7440-23-5	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: <span style="background-color: black; color: black;">XXXXXXXXXX</span> DG Sump	Lab ID: 3027322003	Collected: 05/06/10 13:30	Received: 05/08/10 09:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Thallium, Dissolved	5.9J	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:22	7440-28-0	
Vanadium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:22	7440-62-2	
Zinc, Dissolved	ND	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:22	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	05/11/10 11:36	05/12/10 07:34	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	0.20	1	05/11/10 11:37	05/12/10 08:26	7439-97-6	
<b>8260 MSV</b> Analytical Method: EPA 8260								
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/10/10 18:11	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/10 18:11	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/10/10 18:11	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/10/10 18:11	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/10/10 18:11	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/10/10 18:11	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/10/10 18:11	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/10/10 18:11	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/10/10 18:11	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		05/10/10 18:11	540-59-0	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/10/10 18:11	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/10/10 18:11	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/10/10 18:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/10/10 18:11	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/10/10 18:11	78-93-3	
2-Hexanone	ND	ug/L	10.0	1		05/10/10 18:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/10/10 18:11	108-10-1	
Acetone	ND	ug/L	10.0	1		05/10/10 18:11	67-64-1	
Benzene	ND	ug/L	1.0	1		05/10/10 18:11	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/10/10 18:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/10/10 18:11	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/10/10 18:11	75-25-2	
Bromomethane	ND	ug/L	1.0	1		05/10/10 18:11	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		05/10/10 18:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/10/10 18:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/10/10 18:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/10/10 18:11	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/10/10 18:11	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/10/10 18:11	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/10/10 18:11	124-48-1	
Ethylbenzene	ND	ug/L	1.0	1		05/10/10 18:11	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/10/10 18:11	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/10/10 18:11	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		05/10/10 18:11	75-09-2	
Naphthalene	ND	ug/L	2.0	1		05/10/10 18:11	91-20-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: <span style="background-color: black; color: black;">XXXXXXXXXX</span> DG Sump	Lab ID: 3027322003	Collected: 05/06/10 13:30	Received: 05/08/10 09:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260								
Styrene	ND ug/L		1.0	1		05/10/10 18:11	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		05/10/10 18:11	127-18-4	
Toluene	ND ug/L		1.0	1		05/10/10 18:11	108-88-3	
Trichloroethene	ND ug/L		1.0	1		05/10/10 18:11	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		05/10/10 18:11	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		05/10/10 18:11	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		05/10/10 18:11	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		05/10/10 18:11	10061-01-5	
m&p-Xylene	ND ug/L		2.0	1		05/10/10 18:11	179601-23-1	
n-Butylbenzene	ND ug/L		1.0	1		05/10/10 18:11	104-51-8	
n-Propylbenzene	ND ug/L		1.0	1		05/10/10 18:11	103-65-1	
o-Xylene	ND ug/L		1.0	1		05/10/10 18:11	95-47-6	
p-Isopropyltoluene	ND ug/L		1.0	1		05/10/10 18:11	99-87-6	
sec-Butylbenzene	ND ug/L		1.0	1		05/10/10 18:11	135-98-8	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		05/10/10 18:11	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		05/10/10 18:11	10061-02-6	
4-Bromofluorobenzene (S)	96 %		70-130	1		05/10/10 18:11	460-00-4	
1,2-Dichloroethane-d4 (S)	114 %		70-130	1		05/10/10 18:11	17060-07-0	
Toluene-d8 (S)	95 %		70-130	1		05/10/10 18:11	2037-26-5	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C								
Total Dissolved Solids	218 mg/L		10.0	1		05/12/10 21:12		
<b>2540D Total Suspended Solids</b> Analytical Method: SM 2540D								
Total Suspended Solids	774 mg/L		4.0	1		05/10/10 21:20		
<b>5540C MBAS Surfactants</b> Analytical Method: SM 5540C								
Surfactants	ND mg/L		0.10	1		05/13/10 14:25		2c
<b>9034 Sulfide Water</b> Analytical Method: EPA 9034								
Sulfide	ND mg/L		1.0	1		05/12/10 23:40		
<b>4500 Chloride</b> Analytical Method: SM 4500-Cl-E								
Chloride	40.6 mg/L		3.0	1		05/12/10 20:20	16887-00-6	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634 00017  
Pace Project No.: 3027322

Sample: XXXXXXXXXX-UG Sump Lab ID: 3027322004 Collected: 05/06/10 14:30 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	10500	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:55	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7440-36-0	
Arsenic	12.6	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7440-38-2	
Barium	535	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:55	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:55	7440-41-7	
Boron	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:55	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:55	7440-43-9	
Calcium	17300	ug/L	1000	1	05/10/10 13:00	05/13/10 11:55	7440-70-2	
Chromium	16.0	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7440-47-3	
Cobalt	9.1	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7440-48-4	
Copper	32.8	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7440-50-8	
Iron	16500	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:55	7439-89-6	
Lead	58.5	ug/L	2.0	1	05/10/10 13:00	05/13/10 11:55	7439-92-1	
Magnesium	6040	ug/L	200	1	05/10/10 13:00	05/13/10 11:55	7439-95-4	
Manganese	866	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/10/10 13:00	05/13/10 11:55	7439-98-7	
Nickel	15.2	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:55	7440-02-0	
Potassium	4590	ug/L	500	1	05/10/10 13:00	05/13/10 11:55	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7782-49-2	
Silver	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:55	7440-22-4	
Sodium	7040	ug/L	1000	1	05/10/10 13:00	05/13/10 11:55	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:55	7440-28-0	
Vanadium	14.8	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:55	7440-62-2	
Zinc	108	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:55	7440-66-6	

<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Aluminum, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:25	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:25	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:25	7440-38-2	
Barium, Dissolved	75.7	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:25	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:25	7440-41-7	
Boron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:25	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:25	7440-43-9	
Calcium, Dissolved	14400	ug/L	1000	1	05/11/10 14:24	05/12/10 12:25	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:25	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:25	7440-48-4	
Copper, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:25	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:25	7439-89-6	
Lead, Dissolved	ND	ug/L	2.0	1	05/11/10 14:24	05/12/10 12:25	7439-92-1	
Magnesium, Dissolved	2940	ug/L	200	1	05/11/10 14:24	05/12/10 12:25	7439-95-4	
Manganese, Dissolved	35.6	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:25	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	05/11/10 14:24	05/12/10 12:25	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:25	7440-02-0	
Potassium, Dissolved	2690	ug/L	500	1	05/11/10 14:24	05/12/10 12:25	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:25	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:25	7440-22-4	
Sodium, Dissolved	6290	ug/L	1000	1	05/11/10 14:24	05/12/10 12:25	7440-23-5	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: UG Sump Lab ID: 3027322004 Collected: 05/06/10 14:30 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Thallium, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 12:25	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 12:25	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 12:25	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	05/11/10 11:36	05/12/10 07:35	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND ug/L		0.20	1	05/11/10 11:37	05/12/10 08:28	7439-97-6	
<b>8260 MSV</b> Analytical Method: EPA 8260								
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 18:37	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/10/10 18:37	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/10/10 18:37	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 18:37	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		05/10/10 18:37	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		05/10/10 18:37	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 18:37	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 18:37	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		05/10/10 18:37	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 18:37	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 18:37	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 18:37	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 18:37	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 18:37	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 18:37	78-93-3	
2-Hexanone	ND ug/L		10.0	1		05/10/10 18:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/10/10 18:37	108-10-1	
Acetone	ND ug/L		10.0	1		05/10/10 18:37	67-64-1	
Benzene	ND ug/L		1.0	1		05/10/10 18:37	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		05/10/10 18:37	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		05/10/10 18:37	75-27-4	
Bromoform	ND ug/L		1.0	1		05/10/10 18:37	75-25-2	
Bromomethane	ND ug/L		1.0	1		05/10/10 18:37	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/10/10 18:37	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/10/10 18:37	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/10/10 18:37	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/10/10 18:37	75-00-3	
Chloroform	ND ug/L		1.0	1		05/10/10 18:37	67-66-3	
Chloromethane	ND ug/L		1.0	1		05/10/10 18:37	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		05/10/10 18:37	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		05/10/10 18:37	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/10/10 18:37	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/10/10 18:37	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		05/10/10 18:37	75-09-2	
Naphthalene	ND ug/L		2.0	1		05/10/10 18:37	91-20-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: █-UG Sump		Lab ID: 3027322004	Collected: 05/06/10 14:30	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Styrene	ND	ug/L	1.0	1		05/10/10 18:37	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/10 18:37	127-18-4	
Toluene	ND	ug/L	1.0	1		05/10/10 18:37	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/10/10 18:37	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/10/10 18:37	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/10/10 18:37	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 18:37	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 18:37	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/10/10 18:37	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/10/10 18:37	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/10/10 18:37	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/10/10 18:37	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/10/10 18:37	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/10/10 18:37	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 18:37	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 18:37	10061-02-6	
4-Bromofluorobenzene (S)	99 %		70-130	1		05/10/10 18:37	460-00-4	
1,2-Dichloroethane-d4 (S)	119 %		70-130	1		05/10/10 18:37	17060-07-0	
1,2,4-Trichlorobenzene-d8 (S)	97 %		70-130	1		05/10/10 18:37	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	77.0	mg/L	10.0	1		05/12/10 21:12		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	256	mg/L	4.0	1		05/10/10 21:20		
5540C MBAS Surfactants		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		2c
9034 Sulfide Water		Analytical Method: EPA 9034						
Sulfide	ND	mg/L	1.0	1		05/12/10 23:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	7.9	mg/L	3.0	1		05/12/10 20:21	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DG Sump-Sed Lab ID: 3027322005 Collected: 05/06/10 13:50 Received: 05/08/10 09:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	9160	mg/kg	10.0	1	05/10/10 11:35	05/11/10 13:38	7429-90-5	
Antimony	ND	mg/kg	0.50	1	05/10/10 11:35	05/11/10 13:38	7440-36-0	
Arsenic	5.9	mg/kg	0.50	1	05/10/10 11:35	05/11/10 13:38	7440-38-2	
Barium	99.8	mg/kg	2.0	1	05/10/10 11:35	05/11/10 13:38	7440-39-3	
Beryllium	0.40	mg/kg	0.20	1	05/10/10 11:35	05/11/10 13:38	7440-41-7	
Boron	7.1	mg/kg	5.0	1	05/10/10 11:35	05/11/10 13:38	7440-42-8	
Cadmium	ND	mg/kg	0.20	1	05/10/10 11:35	05/11/10 13:38	7440-43-9	
Calcium	8550	mg/kg	200	1	05/10/10 11:35	05/11/10 13:38	7440-70-2	
Chromium	13.2	mg/kg	0.50	1	05/10/10 11:35	05/11/10 13:38	7440-47-3	
Cobalt	7.5	mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:38	7440-48-4	
Copper	26.5	mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:38	7440-50-8	
Iron	18500	mg/kg	10.0	1	05/10/10 11:35	05/11/10 13:38	7439-89-6	
Lead	18.1	mg/kg	0.50	1	05/10/10 11:35	05/11/10 13:38	7439-92-1	
Magnesium	3280	mg/kg	50.1	1	05/10/10 11:35	05/11/10 13:38	7439-95-4	
Manganese	372	mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:38	7439-96-5	
Molybdenum	ND	mg/kg	2.0	1	05/10/10 11:35	05/11/10 13:38	7439-98-7	
Nickel	15.3	mg/kg	2.0	1	05/10/10 11:35	05/11/10 13:38	7440-02-0	
Potassium	1270	mg/kg	50.1	1	05/10/10 11:35	05/11/10 13:38	7440-09-7	
Selenium	ND	mg/kg	0.50	1	05/10/10 11:35	05/11/10 13:38	7782-49-2	
Silver	ND	mg/kg	0.20	1	05/10/10 11:35	05/11/10 13:38	7440-22-4	
Sodium	ND	mg/kg	501	1	05/10/10 11:35	05/11/10 13:38	7440-23-5	
Thallium	ND	mg/kg	2.0	1	05/10/10 11:35	05/11/10 13:38	7440-28-0	
Vanadium	13.9	mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:38	7440-62-2	
Zinc	87.9	mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:38	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.14	1	05/10/10 14:37	05/11/10 10:25	7439-97-6	
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260								
Acetone	89.6	ug/kg	11.2	1		05/12/10 13:50	67-64-1	
Benzene	ND	ug/kg	5.6	1		05/12/10 13:50	71-43-2	
Bromochloromethane	ND	ug/kg	5.6	1		05/12/10 13:50	74-97-5	
Bromodichloromethane	ND	ug/kg	5.6	1		05/12/10 13:50	75-27-4	
Bromoform	ND	ug/kg	5.6	1		05/12/10 13:50	75-25-2	
Bromomethane	ND	ug/kg	5.6	1		05/12/10 13:50	74-83-9	
TOTAL BTEX	41.0	ug/kg	33.6	1		05/12/10 13:50		
2-Butanone (MEK)	12.0	ug/kg	11.2	1		05/12/10 13:50	78-93-3	
n-Butylbenzene	ND	ug/kg	5.6	1		05/12/10 13:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.6	1		05/12/10 13:50	135-98-8	
Carbon disulfide	ND	ug/kg	5.6	1		05/12/10 13:50	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.6	1		05/12/10 13:50	56-23-5	
Chlorobenzene	ND	ug/kg	5.6	1		05/12/10 13:50	108-90-7	
Chloroethane	ND	ug/kg	5.6	1		05/12/10 13:50	75-00-3	
Chloroform	ND	ug/kg	5.6	1		05/12/10 13:50	67-66-3	
Chloromethane	ND	ug/kg	5.6	1		05/12/10 13:50	74-87-3	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: DG Sump-Sed Lab ID: 3027322005 Collected: 05/06/10 13:50 Received: 05/08/10 09:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/kg	5.6	1		05/12/10 13:50	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	5.6	1		05/12/10 13:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.6	1		05/12/10 13:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.6	1		05/12/10 13:50	106-46-7	
1,1-Dichloroethane	ND	ug/kg	5.6	1		05/12/10 13:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.6	1		05/12/10 13:50	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	11.2	1		05/12/10 13:50	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.6	1		05/12/10 13:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.6	1		05/12/10 13:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.6	1		05/12/10 13:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.6	1		05/12/10 13:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.6	1		05/12/10 13:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.6	1		05/12/10 13:50	10061-02-6	
Ethylbenzene	ND	ug/kg	5.6	1		05/12/10 13:50	100-41-4	
2-Hexanone	ND	ug/kg	11.2	1		05/12/10 13:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.6	1		05/12/10 13:50	98-82-8	
Isopropyltoluene	ND	ug/kg	5.6	1		05/12/10 13:50	99-87-6	
1,1,1-Trichloroethene	ND	ug/kg	5.6	1		05/12/10 13:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.2	1		05/12/10 13:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.6	1		05/12/10 13:50	1634-04-4	
Naphthalene	ND	ug/kg	5.6	1		05/12/10 13:50	91-20-3	
n-Propylbenzene	ND	ug/kg	5.6	1		05/12/10 13:50	103-65-1	
Styrene	ND	ug/kg	5.6	1		05/12/10 13:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.6	1		05/12/10 13:50	79-34-5	
Tetrachloroethene	ND	ug/kg	5.6	1		05/12/10 13:50	127-18-4	
Toluene	41.0	ug/kg	5.6	1		05/12/10 13:50	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	5.6	1		05/12/10 13:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.6	1		05/12/10 13:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.6	1		05/12/10 13:50	79-00-5	
Trichloroethene	ND	ug/kg	5.6	1		05/12/10 13:50	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	5.6	1		05/12/10 13:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.6	1		05/12/10 13:50	108-67-8	
Vinyl chloride	ND	ug/kg	5.6	1		05/12/10 13:50	75-01-4	
Xylene (Total)	ND	ug/kg	16.8	1		05/12/10 13:50	1330-20-7	
m&p-Xylene	ND	ug/kg	11.2	1		05/12/10 13:50	179601-23-1	
o-Xylene	ND	ug/kg	5.6	1		05/12/10 13:50	95-47-6	
Toluene-d8 (S)	107	%	70-130	1		05/12/10 13:50	2037-26-5	
4-Bromofluorobenzene (S)	119	%	70-130	1		05/12/10 13:50	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130	1		05/12/10 13:50	17060-07-0	

### Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	29.7 %	0.10	1	05/12/10 14:21
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### 9034 Sulfide

Analytical Method: EPA 9034

Sulfide	17.1 mg/kg	14.2	1	05/12/10 19:50
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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: **ASTM** -DG Sump-Sed Lab ID: 3027322006 Collected: 05/06/10 13:50 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>	Analytical Method: SM 5540C							
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		3c
<b>4500 Chloride</b>	Analytical Method SM 4500-Cl-E							
Chloride	3.0	mg/L	3.0	1		05/12/10 20:22	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: UG Sump-Sed Lab ID: 3027322007 Collected: 05/06/10 15:00 Received: 05/08/10 09:07 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	10000	mg/kg	6.5	1	05/10/10 11:35	05/11/10 13:41	7429-90-5	
Antimony	ND	mg/kg	0.32	1	05/10/10 11:35	05/11/10 13:41	7440-36-0	
Arsenic	11.0	mg/kg	0.32	1	05/10/10 11:35	05/11/10 13:41	7440-38-2	
Barium	123	mg/kg	1.3	1	05/10/10 11:35	05/11/10 13:41	7440-39-3	
Beryllium	0.48	mg/kg	0.13	1	05/10/10 11:35	05/11/10 13:41	7440-41-7	
Boron	5.8	mg/kg	3.2	1	05/10/10 11:35	05/11/10 13:41	7440-42-8	
Cadmium	ND	mg/kg	0.13	1	05/10/10 11:35	05/11/10 13:41	7440-43-9	
Calcium	981	mg/kg	130	1	05/10/10 11:35	05/11/10 13:41	7440-70-2	
Chromium	11.5	mg/kg	0.32	1	05/10/10 11:35	05/11/10 13:41	7440-47-3	
Cobalt	8.8	mg/kg	0.65	1	05/10/10 11:35	05/11/10 13:41	7440-48-4	
Copper	18.8	mg/kg	0.65	1	05/10/10 11:35	05/11/10 13:41	7440-50-8	
Iron	18800	mg/kg	6.5	1	05/10/10 11:35	05/11/10 13:41	7439-89-6	
Lead	17.5	mg/kg	0.32	1	05/10/10 11:35	05/11/10 13:41	7439-92-1	
Magnesium	3130	mg/kg	32.4	1	05/10/10 11:35	05/11/10 13:41	7439-95-4	
Manganese	561	mg/kg	0.65	1	05/10/10 11:35	05/11/10 13:41	7439-96-5	
Molybdenum	ND	mg/kg	1.3	1	05/10/10 11:35	05/11/10 13:41	7439-98-7	
Nickel	16.9	mg/kg	1.3	1	05/10/10 11:35	05/11/10 13:41	7440-02-0	
Strontium	1090	mg/kg	32.4	1	05/10/10 11:35	05/11/10 13:41	7440-09-7	
Selenium	ND	mg/kg	0.32	1	05/10/10 11:35	05/11/10 13:41	7782-49-2	
Silver	0.23	mg/kg	0.13	1	05/10/10 11:35	05/11/10 13:41	7440-22-4	
Sodium	ND	mg/kg	324	1	05/10/10 11:35	05/11/10 13:41	7440-23-5	
Thallium	ND	mg/kg	1.3	1	05/10/10 11:35	05/11/10 13:41	7440-28-0	
Vanadium	11.3	mg/kg	0.65	1	05/10/10 11:35	05/11/10 13:41	7440-62-2	
Zinc	50.3	mg/kg	0.65	1	05/10/10 11:35	05/11/10 13:41	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.11	1	05/10/10 14:37	05/11/10 10:27	7439-97-6	
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260								
Acetone	101	ug/kg	10.2	1		05/10/10 13:37	67-64-1	
Benzene	ND	ug/kg	5.1	1		05/10/10 13:37	71-43-2	
Bromochloromethane	ND	ug/kg	5.1	1		05/10/10 13:37	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1		05/10/10 13:37	75-27-4	
Bromoform	ND	ug/kg	5.1	1		05/10/10 13:37	75-25-2	
Bromomethane	ND	ug/kg	5.1	1		05/10/10 13:37	74-83-9	
TOTAL BTEX	ND	ug/kg	30.6	1		05/10/10 13:37		
2-Butanone (MEK)	ND	ug/kg	10.2	1		05/10/10 13:37	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1		05/10/10 13:37	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1		05/10/10 13:37	135-98-8	
Carbon disulfide	ND	ug/kg	5.1	1		05/10/10 13:37	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	1		05/10/10 13:37	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1		05/10/10 13:37	108-90-7	
Chloroethane	ND	ug/kg	5.1	1		05/10/10 13:37	75-00-3	
Chloroform	ND	ug/kg	5.1	1		05/10/10 13:37	67-66-3	
Chloromethane	ND	ug/kg	5.1	1		05/10/10 13:37	74-87-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: UG Sump-Sed Lab ID: 3027322007 Collected: 05/06/10 15:00 Received: 05/08/10 09:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/kg	5.1	1		05/10/10 13:37	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1		05/10/10 13:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1		05/10/10 13:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1		05/10/10 13:37	106-46-7	
1,1-Dichloroethane	ND	ug/kg	5.1	1		05/10/10 13:37	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1		05/10/10 13:37	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	10.2	1		05/10/10 13:37	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.1	1		05/10/10 13:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1		05/10/10 13:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1		05/10/10 13:37	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1		05/10/10 13:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1		05/10/10 13:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1		05/10/10 13:37	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	1		05/10/10 13:37	100-41-4	
2-Hexanone	ND	ug/kg	10.2	1		05/10/10 13:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1		05/10/10 13:37	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1		05/10/10 13:37	99-87-6	
Methylene Chloride	ND	ug/kg	5.1	1		05/10/10 13:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	10.2	1		05/10/10 13:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1		05/10/10 13:37	1634-04-4	
Naphthalene	ND	ug/kg	5.1	1		05/10/10 13:37	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1		05/10/10 13:37	103-65-1	
Styrene	ND	ug/kg	5.1	1		05/10/10 13:37	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1		05/10/10 13:37	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1		05/10/10 13:37	127-18-4	
Toluene	ND	ug/kg	5.1	1		05/10/10 13:37	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1		05/10/10 13:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1		05/10/10 13:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1		05/10/10 13:37	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1		05/10/10 13:37	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1		05/10/10 13:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1		05/10/10 13:37	108-67-8	
Vinyl chloride	ND	ug/kg	5.1	1		05/10/10 13:37	75-01-4	
Xylene (Total)	ND	ug/kg	15.3	1		05/10/10 13:37	1330-20-7	
m&p-Xylene	ND	ug/kg	10.2	1		05/10/10 13:37	179601-23-1	
o-Xylene	ND	ug/kg	5.1	1		05/10/10 13:37	95-47-6	
Toluene-d8 (S)	87	%	70-130	1		05/10/10 13:37	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130	1		05/10/10 13:37	480-00-4	
1,2-Dichloroethane-d4 (S)	112	%	70-130	1		05/10/10 13:37	17060-07-0	

### Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture 15.3 % 0.10 1 05/12/10 14:22

### 9034 Sulfide

Analytical Method: EPA 9034

Sulfide ND mg/kg 11.8 1 05/12/10 19:50

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### ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: UG Sump-Sed Lab ID: 3027322008 Collected: 05/06/10 15:00 Received: 05/08/10 09:07 Matrix: Water  
ASTM

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		3c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND	mg/L	3.0	1		05/12/10 20:22	16887-00-6	

ate: 06/15/2010 04:57 PM

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: Upstream Lab ID: 3027322009 Collected: 05/06/10 15:45 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:58	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:58	7440-36-0	
Arsenic	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:58	7440-38-2	
Barium	29.8	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:58	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:58	7440-41-7	
Boron	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:58	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:58	7440-43-9	
Calcium	27200	ug/L	1000	1	05/10/10 13:00	05/13/10 11:58	7440-70-2	
Chromium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:58	7440-47-3	
Cobalt	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:58	7440-48-4	
Copper	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:58	7440-50-8	
Iron	309	ug/L	50.0	1	05/10/10 13:00	05/13/10 11:58	7439-89-6	
Lead	ND	ug/L	2.0	1	05/10/10 13:00	05/13/10 11:58	7439-92-1	
Magnesium	5370	ug/L	200	1	05/10/10 13:00	05/13/10 11:58	7439-95-4	
Manganese	485	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:58	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/10/10 13:00	05/13/10 11:58	7439-98-7	
Nickel	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:58	7440-02-0	
Potassium	874	ug/L	500	1	05/10/10 13:00	05/13/10 11:58	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:58	7782-49-2	
Silver	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 11:58	7440-22-4	
Sodium	74700	ug/L	1000	1	05/10/10 13:00	05/13/10 11:58	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:58	7440-28-0	
Vanadium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 11:58	7440-62-2	
Zinc	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 11:58	7440-66-6	

<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Aluminum, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:36	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:36	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:36	7440-38-2	
Barium, Dissolved	28.3	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:36	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:36	7440-41-7	
Boron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:36	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:36	7440-43-9	
Calcium, Dissolved	26500	ug/L	1000	1	05/11/10 14:24	05/12/10 12:36	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:36	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:36	7440-48-4	
Copper, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:36	7440-50-8	
Iron, Dissolved	128	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:36	7439-89-6	
Lead, Dissolved	2.9	ug/L	2.0	1	05/11/10 14:24	05/12/10 12:36	7439-92-1	
Magnesium, Dissolved	5180	ug/L	200	1	05/11/10 14:24	05/12/10 12:36	7439-95-4	
Manganese, Dissolved	439	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:36	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	05/11/10 14:24	05/12/10 12:36	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:36	7440-02-0	
Potassium, Dissolved	826	ug/L	500	1	05/11/10 14:24	05/12/10 12:36	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:36	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:36	7440-22-4	
Sodium, Dissolved	73400	ug/L	1000	1	05/11/10 14:24	05/12/10 12:36	7440-23-5	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample:	Upstream	Lab ID: 3027322009	Collected: 05/06/10 15:45	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Thallium, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 12:36	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 12:36	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 12:36	7440-66-6	
<b>7470 Mercury</b>								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	05/11/10 11:36	05/12/10 07:37	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND ug/L		0.20	1	05/11/10 11:37	05/12/10 08:30	7439-97-6	
<b>8260 MSV</b>								
Analytical Method: EPA 8260								
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 19:03	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/10/10 19:03	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/10/10 19:03	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 19:03	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		05/10/10 19:03	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		05/10/10 19:03	120-82-1	
1,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 19:03	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 19:03	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		05/10/10 19:03	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 19:03	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 19:03	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 19:03	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 19:03	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 19:03	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 19:03	78-93-3	
2-Hexanone	ND ug/L		10.0	1		05/10/10 19:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/10/10 19:03	108-10-1	
Acetone	ND ug/L		10.0	1		05/10/10 19:03	67-64-1	
Benzene	ND ug/L		1.0	1		05/10/10 19:03	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		05/10/10 19:03	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		05/10/10 19:03	75-27-4	
Bromoform	ND ug/L		1.0	1		05/10/10 19:03	75-25-2	
Bromomethane	ND ug/L		1.0	1		05/10/10 19:03	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/10/10 19:03	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/10/10 19:03	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/10/10 19:03	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/10/10 19:03	75-00-3	
Chloroform	ND ug/L		1.0	1		05/10/10 19:03	67-66-3	
Chloromethane	ND ug/L		1.0	1		05/10/10 19:03	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		05/10/10 19:03	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		05/10/10 19:03	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/10/10 19:03	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/10/10 19:03	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		05/10/10 19:03	75-09-2	
Naphthalene	ND ug/L		2.0	1		05/10/10 19:03	91-20-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Upstream Lab ID: 3027322009 Collected: 05/06/10 15:45 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260								
Styrene	ND	ug/L	1.0	1		05/10/10 19:03	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/10 19:03	127-18-4	
Toluene	ND	ug/L	1.0	1		05/10/10 19:03	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/10/10 19:03	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/10/10 19:03	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/10/10 19:03	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 19:03	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 19:03	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/10/10 19:03	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/10/10 19:03	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/10/10 19:03	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/10/10 19:03	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/10/10 19:03	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/10/10 19:03	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 19:03	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 19:03	10061-02-6	
4-Bromofluorobenzene (S)	96 %		70-130	1		05/10/10 19:03	460-00-4	
1,2-Dichloroethane-d4 (S)	118 %		70-130	1		05/10/10 19:03	17060-07-0	
Toluene-d8 (S)	98 %		70-130	1		05/10/10 19:03	2037-26-5	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C								
Total Dissolved Solids	209	mg/L	10.0	1		05/12/10 21:12		
<b>2540D Total Suspended Solids</b> Analytical Method: SM 2540D								
Total Suspended Solids	15.0	mg/L	4.0	1		05/10/10 21:20		
<b>5540C MBAS Surfactants</b> Analytical Method: SM 5540C								
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		2c
<b>9034 Sulfide Water</b> Analytical Method: EPA 9034								
Sulfide	ND	mg/L	1.0	1		05/12/10 23:40		
<b>4500 Chloride</b> Analytical Method: SM 4500-Cl-E								
Chloride	81.6	mg/L	3.0	1		05/12/10 20:23	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: Downstream Lab ID: 3027322010 Collected: 05/08/10 16:00 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	91.9	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:01	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:01	7440-36-0	
Arsenic	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:01	7440-38-2	
Barium	30.8	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:01	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:01	7440-41-7	
Boron	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:01	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:01	7440-43-9	
Calcium	27200	ug/L	1000	1	05/10/10 13:00	05/13/10 12:01	7440-70-2	
Chromium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:01	7440-47-3	
Cobalt	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:01	7440-48-4	
Copper	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:01	7440-50-8	
Iron	356	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:01	7439-89-6	
Lead	ND	ug/L	2.0	1	05/10/10 13:00	05/13/10 12:01	7439-92-1	
Magnesium	5610	ug/L	200	1	05/10/10 13:00	05/13/10 12:01	7439-95-4	
Manganese	204	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:01	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/10/10 13:00	05/13/10 12:01	7439-98-7	
Nickel	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:01	7440-02-0	
Potassium	1460	ug/L	500	1	05/10/10 13:00	05/13/10 12:01	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:01	7782-49-2	
Silver	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:01	7440-22-4	
Sodium	74100	ug/L	1000	1	05/10/10 13:00	05/13/10 12:01	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:01	7440-28-0	
Vanadium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:01	7440-62-2	
Zinc	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:01	7440-66-6	

<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Aluminum, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:39	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:39	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:39	7440-38-2	
Barium, Dissolved	25.8	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:39	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:39	7440-41-7	
Boron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:39	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:39	7440-43-9	
Calcium, Dissolved	24200	ug/L	1000	1	05/11/10 14:24	05/12/10 12:39	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:39	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:39	7440-48-4	
Copper, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:39	7440-50-8	
Iron, Dissolved	105	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:39	7439-89-6	
Lead, Dissolved	ND	ug/L	2.0	1	05/11/10 14:24	05/12/10 12:39	7439-92-1	
Magnesium, Dissolved	4940	ug/L	200	1	05/11/10 14:24	05/12/10 12:39	7439-95-4	
Manganese, Dissolved	110	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:39	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	05/11/10 14:24	05/12/10 12:39	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:39	7440-02-0	
Potassium, Dissolved	1270	ug/L	500	1	05/11/10 14:24	05/12/10 12:39	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:39	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:39	7440-22-4	
Sodium, Dissolved	68500	ug/L	1000	1	05/11/10 14:24	05/12/10 12:39	7440-23-5	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: <span>Downstream</span>	Lab ID: 3027322010	Collected: 05/06/10 16 00	Received: 05/08/10 09:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Lab Filtered		Analytical Method: EPA 6010 Preparation Method: EPA 3005						
Thallium, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 12:39	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 12:39	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 12:39	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND ug/L		0.20	1	05/11/10 11:36	05/12/10 07:39	7439-97-6	
7470 Mercury, Lab Filtered		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND ug/L		0.20	1	05/11/10 11:37	05/12/10 08:31	7439-97-6	
8260 MSV		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 19:29	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/10/10 19:29	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/10/10 19:29	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 19:29	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		05/10/10 19:29	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		05/10/10 19:29	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 19:29	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 19:29	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		05/10/10 19:29	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 19:29	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 19:29	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 19:29	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 19:29	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 19:29	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 19:29	78-93-3	
2-Hexanone	ND ug/L		10.0	1		05/10/10 19:29	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/10/10 19:29	108-10-1	
Acetone	ND ug/L		10.0	1		05/10/10 19:29	67-64-1	
Benzene	ND ug/L		1.0	1		05/10/10 19:29	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		05/10/10 19:29	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		05/10/10 19:29	75-27-4	
Bromoform	ND ug/L		1.0	1		05/10/10 19:29	75-25-2	
Bromomethane	ND ug/L		1.0	1		05/10/10 19:29	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/10/10 19:29	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/10/10 19:29	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/10/10 19:29	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/10/10 19:29	75-00-3	
Chloroform	ND ug/L		1.0	1		05/10/10 19:29	67-66-3	
Chloromethane	ND ug/L		1.0	1		05/10/10 19:29	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		05/10/10 19:29	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		05/10/10 19:29	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/10/10 19:29	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/10/10 19:29	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		05/10/10 19:29	75-09-2	
Naphthalene	ND ug/L		2.0	1		05/10/10 19:29	91-20-3	

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(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: <span style="background-color: black; color: black;">XXXXXXXXXX</span> Downstream	Lab ID: 3027322010	Collected: 05/06/10 16:00	Received: 05/08/10 09:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Styrene	ND	ug/L	1.0	1		05/10/10 19:29	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/10 19:29	127-18-4	
Toluene	ND	ug/L	1.0	1		05/10/10 19:29	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/10/10 19:29	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/10/10 19:29	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/10/10 19:29	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 19:29	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 19:29	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/10/10 19:29	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/10/10 19:29	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/10/10 19:29	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/10/10 19:29	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/10/10 19:29	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/10/10 19:29	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 19:29	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 19:29	10061-02-6	
4-Bromofluorobenzene (S)	95	%	70-130	1		05/10/10 19:29	460-00-4	
2-Dichloroethane-d4 (S)	119	%	70-130	1		05/10/10 19:29	17060-07-0	
luene-d8 (S)	94	%	70-130	1		05/10/10 19:29	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	220	mg/L	10.0	1		05/12/10 21:12		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	4.0	mg/L	4.0	1		05/10/10 21:20		
5540C MBAS Surfactants		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		2c
9034 Sulfide Water		Analytical Method: EPA 9034						
Sulfide	ND	mg/L	1.0	1		05/12/10 23:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	83.3	mg/L	3.0	1		05/12/10 20:24	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: SR29E-CUL Lab ID: 3027322011 Collected: 05/06/10 15:15 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	2360	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:22	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7440-36-0	
Arsenic	7.5	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7440-38-2	
Barium	170	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:22	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:22	7440-41-7	
Boron	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:22	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:22	7440-43-9	
Calcium	33200	ug/L	1000	1	05/10/10 13:00	05/13/10 12:22	7440-70-2	
Chromium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7440-47-3	
Cobalt	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7440-48-4	
Copper	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7440-50-8	
Iron	2990	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:22	7439-89-6	
Lead	3.2	ug/L	2.0	1	05/10/10 13:00	05/13/10 12:22	7439-92-1	
Magnesium	7160	ug/L	200	1	05/10/10 13:00	05/13/10 12:22	7439-95-4	
Manganese	741	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/10/10 13:00	05/13/10 12:22	7439-98-7	
Nickel	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:22	7440-02-0	
Potassium	3850	ug/L	500	1	05/10/10 13:00	05/13/10 12:22	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7782-49-2	
Silver	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:22	7440-22-4	
Sodium	82700	ug/L	1000	1	05/10/10 13:00	05/13/10 12:22	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:22	7440-28-0	
Vanadium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:22	7440-62-2	
Zinc	28.6	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:22	7440-66-6	

### 6010 MET ICP, Lab Filtered

Analytical Method: EPA 6010 Preparation Method: EPA 3005

Aluminum, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:42	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:42	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:42	7440-38-2	
Barium, Dissolved	71.4	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:42	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:42	7440-41-7	
Boron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:42	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:42	7440-43-9	
Calcium, Dissolved	32300	ug/L	1000	1	05/11/10 14:24	05/12/10 12:42	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:42	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:42	7440-48-4	
Copper, Dissolved	6.7	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:42	7440-50-8	
Iron, Dissolved	88.8	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:42	7439-89-6	
Lead, Dissolved	2.1	ug/L	2.0	1	05/11/10 14:24	05/12/10 12:42	7439-92-1	
Magnesium, Dissolved	6450	ug/L	200	1	05/11/10 14:24	05/12/10 12:42	7439-95-4	
Manganese, Dissolved	731	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:42	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	05/11/10 14:24	05/12/10 12:42	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:42	7440-02-0	
Potassium, Dissolved	3010	ug/L	500	1	05/11/10 14:24	05/12/10 12:42	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:42	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:42	7440-22-4	
Sodium, Dissolved	84100	ug/L	1000	1	05/11/10 14:24	05/12/10 12:42	7440-23-5	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample:	SR29E-CUL	Lab ID:	3027322011	Collected:	05/06/10 15:15	Received:	05/08/10 09:07	Matrix:	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>6010 MET ICP, Lab Filtered</b>									
Analytical Method: EPA 6010 Preparation Method: EPA 3005									
Thallium, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 12:42	7440-28-0		
Vanadium, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 12:42	7440-62-2		
Zinc, Dissolved	11.4 ug/L		10.0	1	05/11/10 14:24	05/12/10 12:42	7440-66-6		
<b>7470 Mercury</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury	ND ug/L		0.20	1	05/11/10 11:36	05/12/10 07:44	7439-97-6		
<b>7470 Mercury, Lab Filtered</b>									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Mercury, Dissolved	ND ug/L		0.20	1	05/11/10 11:37	05/12/10 08:33	7439-97-6		
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 19:55	71-55-6		
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/10/10 19:55	79-34-5		
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/10/10 19:55	79-00-5		
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 19:55	75-34-3		
1,1-Dichloroethene	ND ug/L		1.0	1		05/10/10 19:55	75-35-4		
2,4-Trichlorobenzene	ND ug/L		1.0	1		05/10/10 19:55	120-82-1		
1,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 19:55	95-63-6		
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 19:55	95-50-1		
1,2-Dichloroethane	ND ug/L		1.0	1		05/10/10 19:55	107-06-2		
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 19:55	540-59-0		
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 19:55	78-87-5		
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 19:55	108-67-8		
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 19:55	541-73-1		
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 19:55	106-46-7		
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 19:55	78-93-3		
2-Hexanone	ND ug/L		10.0	1		05/10/10 19:55	591-78-6		
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/10/10 19:55	108-10-1		
Acetone	24.3 ug/L		10.0	1		05/10/10 19:55	67-64-1		
Benzene	ND ug/L		1.0	1		05/10/10 19:55	71-43-2		
Bromochloromethane	ND ug/L		1.0	1		05/10/10 19:55	74-97-5		
Bromodichloromethane	ND ug/L		1.0	1		05/10/10 19:55	75-27-4		
Bromoform	ND ug/L		1.0	1		05/10/10 19:55	75-25-2		
Bromomethane	ND ug/L		1.0	1		05/10/10 19:55	74-83-9		
Carbon disulfide	ND ug/L		1.0	1		05/10/10 19:55	75-15-0		
Carbon tetrachloride	ND ug/L		1.0	1		05/10/10 19:55	56-23-5		
Chlorobenzene	ND ug/L		1.0	1		05/10/10 19:55	108-90-7		
Chloroethane	ND ug/L		1.0	1		05/10/10 19:55	75-00-3		
Chloroform	ND ug/L		1.0	1		05/10/10 19:55	67-66-3		
Chloromethane	ND ug/L		1.0	1		05/10/10 19:55	74-87-3		
Dibromochloromethane	ND ug/L		1.0	1		05/10/10 19:55	124-48-1		
Ethylbenzene	ND ug/L		1.0	1		05/10/10 19:55	100-41-4		
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/10/10 19:55	98-82-8		
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/10/10 19:55	1634-04-4		
Methylene Chloride	ND ug/L		1.0	1		05/10/10 19:55	75-09-2		
Naphthalene	ND ug/L		2.0	1		05/10/10 19:55	91-20-3		

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample:	SR29E-CUL	Lab ID: 3027322011	Collected: 05/06/10 15:15	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Styrene	ND ug/L		1.0	1		05/10/10 19:55	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		05/10/10 19:55	127-18-4	
Toluene	ND ug/L		1.0	1		05/10/10 19:55	108-88-3	
Trichloroethene	ND ug/L		1.0	1		05/10/10 19:55	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		05/10/10 19:55	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		05/10/10 19:55	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		05/10/10 19:55	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		05/10/10 19:55	10061-01-5	
m&p-Xylene	ND ug/L		2.0	1		05/10/10 19:55	179601-23-1	
n-Butylbenzene	ND ug/L		1.0	1		05/10/10 19:55	104-51-8	
n-Propylbenzene	ND ug/L		1.0	1		05/10/10 19:55	103-65-1	
o-Xylene	ND ug/L		1.0	1		05/10/10 19:55	95-47-6	
p-Isopropyltoluene	ND ug/L		1.0	1		05/10/10 19:55	99-87-6	
sec-Butylbenzene	ND ug/L		1.0	1		05/10/10 19:55	135-98-8	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		05/10/10 19:55	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		05/10/10 19:55	10061-02-6	
4-Bromofluorobenzene (S)	93 %		70-130	1		05/10/10 19:55	460-00-4	
1,2-Dichloroethane-d4 (S)	119 %		70-130	1		05/10/10 19:55	17060-07-0	
Toluene-d8 (S)	94 %		70-130	1		05/10/10 19:55	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	278 mg/L		10.0	1		05/12/10 21:12		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	47.0 mg/L		4.0	1		05/10/10 21:20		
5540C MBAS Surfactants		Analytical Method: SM 5540C						
Surfactants	1.6 mg/L		0.10	1		05/13/10 14:25		2c
9034 Sulfide Water		Analytical Method: EPA 9034						
Sulfide	ND mg/L		1.0	1		05/12/10 23:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	81.2 mg/L		3.0	1		05/12/10 20:24	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: SR29E-CUL-Sed Lab ID: 3027322012 Collected: 05/06/10 17:30 Received: 05/08/10 09:07 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	8860	mg/kg	8.4	1	05/10/10 11:35	05/11/10 13:44	7429-90-5	
Antimony	ND	mg/kg	0.42	1	05/10/10 11:35	05/11/10 13:44	7440-36-0	
Arsenic	8.1	mg/kg	0.42	1	05/10/10 11:35	05/11/10 13:44	7440-38-2	
Barium	369	mg/kg	1.7	1	05/10/10 11:35	05/11/10 13:44	7440-39-3	
Beryllium	0.45	mg/kg	0.17	1	05/10/10 11:35	05/11/10 13:44	7440-41-7	
Boron	7.0	mg/kg	4.2	1	05/10/10 11:35	05/11/10 13:44	7440-42-8	
Cadmium	ND	mg/kg	0.17	1	05/10/10 11:35	05/11/10 13:44	7440-43-9	
Calcium	4940	mg/kg	168	1	05/10/10 11:35	05/11/10 13:44	7440-70-2	
Chromium	12.1	mg/kg	0.42	1	05/10/10 11:35	05/11/10 13:44	7440-47-3	
Cobalt	8.6	mg/kg	0.84	1	05/10/10 11:35	05/11/10 13:44	7440-48-4	
Copper	15.7	mg/kg	0.84	1	05/10/10 11:35	05/11/10 13:44	7440-50-8	
Iron	20900	mg/kg	8.4	1	05/10/10 11:35	05/11/10 13:44	7439-89-6	
Lead	15.2	mg/kg	0.42	1	05/10/10 11:35	05/11/10 13:44	7439-92-1	
Magnesium	3560	mg/kg	41.9	1	05/10/10 11:35	05/11/10 13:44	7439-95-4	
Manganese	707	mg/kg	0.84	1	05/10/10 11:35	05/11/10 13:44	7439-96-5	
Molybdenum	ND	mg/kg	1.7	1	05/10/10 11:35	05/11/10 13:44	7439-98-7	
Nickel	16.7	mg/kg	1.7	1	05/10/10 11:35	05/11/10 13:44	7440-02-0	
Potassium	1300	mg/kg	41.9	1	05/10/10 11:35	05/11/10 13:44	7440-09-7	
Selenium	ND	mg/kg	0.42	1	05/10/10 11:35	05/11/10 13:44	7782-49-2	
Silver	0.22	mg/kg	0.17	1	05/10/10 11:35	05/11/10 13:44	7440-22-4	
Sodium	ND	mg/kg	419	1	05/10/10 11:35	05/11/10 13:44	7440-23-5	
Thallium	ND	mg/kg	1.7	1	05/10/10 11:35	05/11/10 13:44	7440-28-0	
Vanadium	12.9	mg/kg	0.84	1	05/10/10 11:35	05/11/10 13:44	7440-62-2	
Zinc	121	mg/kg	0.84	1	05/10/10 11:35	05/11/10 13:44	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.13	1	05/10/10 14:37	05/11/10 10:29	7439-97-6	
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260								
Acetone	137	ug/kg	11.8	1		05/12/10 14:12	67-64-1	
Benzene	ND	ug/kg	5.9	1		05/12/10 14:12	71-43-2	
Bromochloromethane	ND	ug/kg	5.9	1		05/12/10 14:12	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	1		05/12/10 14:12	75-27-4	
Bromoform	ND	ug/kg	5.9	1		05/12/10 14:12	75-25-2	
Bromomethane	ND	ug/kg	5.9	1		05/12/10 14:12	74-83-9	
TOTAL BTEX	ND	ug/kg	35.3	1		05/12/10 14:12		
2-Butanone (MEK)	14.1	ug/kg	11.8	1		05/12/10 14:12	78-93-3	
n-Butylbenzene	ND	ug/kg	5.9	1		05/12/10 14:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.9	1		05/12/10 14:12	135-98-8	
Carbon disulfide	10.8	ug/kg	5.9	1		05/12/10 14:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.9	1		05/12/10 14:12	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	1		05/12/10 14:12	108-90-7	
Chloroethane	ND	ug/kg	5.9	1		05/12/10 14:12	75-00-3	
Chloroform	ND	ug/kg	5.9	1		05/12/10 14:12	67-66-3	
Chloromethane	ND	ug/kg	5.9	1		05/12/10 14:12	74-87-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: SR29E-CUL-Sed Lab ID: 3027322012 Collected: 05/06/10 17:30 Received: 05/08/10 09:07 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/kg	5.9	1		05/12/10 14:12	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	5.9	1		05/12/10 14:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	1		05/12/10 14:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	1		05/12/10 14:12	106-46-7	
1,1-Dichloroethane	ND	ug/kg	5.9	1		05/12/10 14:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	1		05/12/10 14:12	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	11.8	1		05/12/10 14:12	540-59-0	
1,1-Dichloroethene	ND	ug/kg	5.9	1		05/12/10 14:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1		05/12/10 14:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	1		05/12/10 14:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	1		05/12/10 14:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1		05/12/10 14:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1		05/12/10 14:12	10061-02-6	
Ethylbenzene	ND	ug/kg	5.9	1		05/12/10 14:12	100-41-4	
2-Hexanone	ND	ug/kg	11.8	1		05/12/10 14:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	1		05/12/10 14:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.9	1		05/12/10 14:12	99-87-6	
Methylene Chloride	ND	ug/kg	5.9	1		05/12/10 14:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	11.8	1		05/12/10 14:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1		05/12/10 14:12	1634-04-4	
Naphthalene	ND	ug/kg	5.9	1		05/12/10 14:12	91-20-3	
n-Propylbenzene	ND	ug/kg	5.9	1		05/12/10 14:12	103-65-1	
Styrene	ND	ug/kg	5.9	1		05/12/10 14:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1		05/12/10 14:12	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	1		05/12/10 14:12	127-18-4	
Toluene	ND	ug/kg	5.9	1		05/12/10 14:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1		05/12/10 14:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	1		05/12/10 14:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	1		05/12/10 14:12	79-00-5	
Trichloroethene	ND	ug/kg	5.9	1		05/12/10 14:12	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	1		05/12/10 14:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	1		05/12/10 14:12	108-67-8	
Vinyl chloride	ND	ug/kg	5.9	1		05/12/10 14:12	75-01-4	
Xylene (Total)	ND	ug/kg	17.7	1		05/12/10 14:12	1330-20-7	
m&p-Xylene	ND	ug/kg	11.8	1		05/12/10 14:12	179601-23-1	
o-Xylene	ND	ug/kg	5.9	1		05/12/10 14:12	95-47-6	
Toluene-d8 (S)	101	%	70-130	1		05/12/10 14:12	2037-26-5	
4-Bromofluorobenzene (S)	107	%	70-130	1		05/12/10 14:12	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		05/12/10 14:12	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	25.5	%	0.10	1		05/12/10 14:23		
<b>9034 Sulfide</b>		Analytical Method: EPA 9034						
Sulfide	ND	mg/kg	13.4	1		05/12/10 19:50		

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: SR29E-CUL-Sed ASTM		Lab ID: 3027322013	Collected: 05/06/10 17:30	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	0.11	mg/L	0.10	1		05/13/10 14:25		3c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	3.7	mg/L	3.0	1		05/12/10 20:25	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: Upstream-Sed Lab ID: 3027322014 Collected: 05/06/10 18:15 Received: 05/08/10 09:07 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	14100	mg/kg	12.9	1	05/10/10 11:35	05/11/10 13:47	7429-90-5	
Antimony	ND	mg/kg	0.65	1	05/10/10 11:35	05/11/10 13:47	7440-36-0	
Arsenic	12.5	mg/kg	0.65	1	05/10/10 11:35	05/11/10 13:47	7440-38-2	
Barium	89.1	mg/kg	2.6	1	05/10/10 11:35	05/11/10 13:47	7440-39-3	
Beryllium	0.50	mg/kg	0.26	1	05/10/10 11:35	05/11/10 13:47	7440-41-7	
Boron	7.9	mg/kg	6.5	1	05/10/10 11:35	05/11/10 13:47	7440-42-8	
Cadmium	ND	mg/kg	0.26	1	05/10/10 11:35	05/11/10 13:47	7440-43-9	
Calcium	2230	mg/kg	259	1	05/10/10 11:35	05/11/10 13:47	7440-70-2	
Chromium	13.1	mg/kg	0.65	1	05/10/10 11:35	05/11/10 13:47	7440-47-3	
Cobalt	8.3	mg/kg	1.3	1	05/10/10 11:35	05/11/10 13:47	7440-48-4	
Copper	13.9	mg/kg	1.3	1	05/10/10 11:35	05/11/10 13:47	7440-50-8	
Iron	23100	mg/kg	12.9	1	05/10/10 11:35	05/11/10 13:47	7439-89-6	
Lead	24.4	mg/kg	0.65	1	05/10/10 11:35	05/11/10 13:47	7439-92-1	
Magnesium	2400	mg/kg	64.7	1	05/10/10 11:35	05/11/10 13:47	7439-95-4	
Manganese	805	mg/kg	1.3	1	05/10/10 11:35	05/11/10 13:47	7439-96-5	
Molybdenum	ND	mg/kg	2.6	1	05/10/10 11:35	05/11/10 13:47	7439-98-7	
Nickel	11.3	mg/kg	2.6	1	05/10/10 11:35	05/11/10 13:47	7440-02-0	
Potassium	1410	mg/kg	64.7	1	05/10/10 11:35	05/11/10 13:47	7440-09-7	
Selenium	ND	mg/kg	0.65	1	05/10/10 11:35	05/11/10 13:47	7782-49-2	
Silver	0.46	mg/kg	0.26	1	05/10/10 11:35	05/11/10 13:47	7440-22-4	
Sodium	ND	mg/kg	64.7	1	05/10/10 11:35	05/11/10 13:47	7440-23-5	
Thallium	ND	mg/kg	2.6	1	05/10/10 11:35	05/11/10 13:47	7440-28-0	
Vanadium	22.4	mg/kg	1.3	1	05/10/10 11:35	05/11/10 13:47	7440-62-2	
Zinc	77.8	mg/kg	1.3	1	05/10/10 11:35	05/11/10 13:47	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.17	1	05/10/10 14:37	05/11/10 10:30	7439-97-6	
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### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	359	ug/kg	19.0	1	05/12/10 14:35	67-64-1	
Benzene	ND	ug/kg	9.5	1	05/12/10 14:35	71-43-2	
Bromochloromethane	ND	ug/kg	9.5	1	05/12/10 14:35	74-97-5	
Bromodichloromethane	ND	ug/kg	9.5	1	05/12/10 14:35	75-27-4	
Bromoform	ND	ug/kg	9.5	1	05/12/10 14:35	75-25-2	
Bromomethane	ND	ug/kg	9.5	1	05/12/10 14:35	74-83-9	
TOTAL BTEX	ND	ug/kg	57.1	1	05/12/10 14:35		
2-Butanone (MEK)	41.9	ug/kg	19.0	1	05/12/10 14:35	78-93-3	
n-Butylbenzene	ND	ug/kg	9.5	1	05/12/10 14:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	9.5	1	05/12/10 14:35	135-98-8	
Carbon disulfide	ND	ug/kg	9.5	1	05/12/10 14:35	75-15-0	
Carbon tetrachloride	ND	ug/kg	9.5	1	05/12/10 14:35	56-23-5	
Chlorobenzene	ND	ug/kg	9.5	1	05/12/10 14:35	108-90-7	
Chloroethane	ND	ug/kg	9.5	1	05/12/10 14:35	75-00-3	
Chloroform	ND	ug/kg	9.5	1	05/12/10 14:35	67-66-3	
Chloromethane	ND	ug/kg	9.5	1	05/12/10 14:35	74-87-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Upstream-Sed Lab ID: 3027322014 Collected: 05/06/10 18:15 Received: 05/08/10 09:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260								
Dibromochloromethane	ND	ug/kg	9.5	1		05/12/10 14:35	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	9.5	1		05/12/10 14:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	9.5	1		05/12/10 14:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	9.5	1		05/12/10 14:35	106-46-7	
1,1-Dichloroethane	ND	ug/kg	9.5	1		05/12/10 14:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	9.5	1		05/12/10 14:35	107-06-2	
1,2-Dichloroethane (Total)	ND	ug/kg	19.0	1		05/12/10 14:35	540-59-0	
1,1-Dichloroethene	ND	ug/kg	9.5	1		05/12/10 14:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	9.5	1		05/12/10 14:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	9.5	1		05/12/10 14:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	9.5	1		05/12/10 14:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	9.5	1		05/12/10 14:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	9.5	1		05/12/10 14:35	10061-02-6	
Ethylbenzene	ND	ug/kg	9.5	1		05/12/10 14:35	100-41-4	
2-Hexanone	ND	ug/kg	19.0	1		05/12/10 14:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	9.5	1		05/12/10 14:35	98-82-8	
Isopropyltoluene	ND	ug/kg	9.5	1		05/12/10 14:35	99-87-6	
1,1,1-Trichloroethane	ND	ug/kg	9.5	1		05/12/10 14:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	19.0	1		05/12/10 14:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	9.5	1		05/12/10 14:35	1634-04-4	
Naphthalene	ND	ug/kg	9.5	1		05/12/10 14:35	91-20-3	
n-Propylbenzene	ND	ug/kg	9.5	1		05/12/10 14:35	103-65-1	
Styrene	ND	ug/kg	9.5	1		05/12/10 14:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	9.5	1		05/12/10 14:35	79-34-5	
Tetrachloroethene	ND	ug/kg	9.5	1		05/12/10 14:35	127-18-4	
Toluene	ND	ug/kg	9.5	1		05/12/10 14:35	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	9.5	1		05/12/10 14:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	9.5	1		05/12/10 14:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	9.5	1		05/12/10 14:35	79-00-5	
Trichloroethene	ND	ug/kg	9.5	1		05/12/10 14:35	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	9.5	1		05/12/10 14:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	9.5	1		05/12/10 14:35	108-67-8	
Vinyl chloride	ND	ug/kg	9.5	1		05/12/10 14:35	75-01-4	
Xylene (Total)	ND	ug/kg	28.6	1		05/12/10 14:35	1330-20-7	
m&p-Xylene	ND	ug/kg	19.0	1		05/12/10 14:35	179601-23-1	
o-Xylene	ND	ug/kg	9.5	1		05/12/10 14:35	95-47-6	
Toluene-d8 (S)	103	%	70-130	1		05/12/10 14:35	2037-26-5	
4-Bromofluorobenzene (S)	108	%	70-130	1		05/12/10 14:35	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130	1		05/12/10 14:35	17060-07-0	
<b>Percent Moisture</b> Analytical Method: ASTM D2974-87								
Percent Moisture	43.2	%	0.10	1		05/12/10 14:24		
<b>9034 Sulfide</b> Analytical Method: EPA 9034								
Sulfide	ND	mg/kg	17.6	1		05/12/10 19:50		

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## ANALYTICAL RESULTS

Project. 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: Upstream-Sed ASTM		Lab ID: 3027322015	Collected: 05/06/10 18:15	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND mg/L		0.10	1		05/13/10 14:25		3c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	6.5 mg/L		3.0	1		05/12/10 20:28	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: Downstream-Sed Lab ID: 3027322016 Collected: 05/06/10 18:00 Received: 05/08/10 09:07 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	19400	mg/kg	20.1	1	05/10/10 11:35	05/11/10 13:50	7429-90-5	
Antimony	ND	mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:50	7440-36-0	
Arsenic	13.8	mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:50	7440-38-2	
Barium	152	mg/kg	4.0	1	05/10/10 11:35	05/11/10 13:50	7440-39-3	
Beryllium	0.89	mg/kg	0.40	1	05/10/10 11:35	05/11/10 13:50	7440-41-7	
Boron	11.7	mg/kg	10.0	1	05/10/10 11:35	05/11/10 13:50	7440-42-8	
Cadmium	ND	mg/kg	0.40	1	05/10/10 11:35	05/11/10 13:50	7440-43-9	
Calcium	1650	mg/kg	402	1	05/10/10 11:35	05/11/10 13:50	7440-70-2	
Chromium	19.5	mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:50	7440-47-3	
Cobalt	16.2	mg/kg	2.0	1	05/10/10 11:35	05/11/10 13:50	7440-48-4	
Copper	20.3	mg/kg	2.0	1	05/10/10 11:35	05/11/10 13:50	7440-50-8	
Iron	34200	mg/kg	20.1	1	05/10/10 11:35	05/11/10 13:50	7439-89-6	
Lead	30.4	mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:50	7439-92-1	
Magnesium	4450	mg/kg	100	1	05/10/10 11:35	05/11/10 13:50	7439-95-4	
Manganese	953	mg/kg	2.0	1	05/10/10 11:35	05/11/10 13:50	7439-96-5	
Molybdenum	ND	mg/kg	4.0	1	05/10/10 11:35	05/11/10 13:50	7439-98-7	
Nickel	25.7	mg/kg	4.0	1	05/10/10 11:35	05/11/10 13:50	7440-02-0	
Platinum	2140	mg/kg	100	1	05/10/10 11:35	05/11/10 13:50	7440-09-7	
Selenium	0.99	mg/kg	1.0	1	05/10/10 11:35	05/11/10 13:50	7782-49-2	
Silver	0.44	mg/kg	0.40	1	05/10/10 11:35	05/11/10 13:50	7440-22-4	
Sodium	ND	mg/kg	1000	1	05/10/10 11:35	05/11/10 13:50	7440-23-5	
Thallium	ND	mg/kg	4.0	1	05/10/10 11:35	05/11/10 13:50	7440-28-0	
Vanadium	25.4	mg/kg	2.0	1	05/10/10 11:35	05/11/10 13:50	7440-62-2	
Zinc	132	mg/kg	2.0	1	05/10/10 11:35	05/11/10 13:50	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.20	1	05/10/10 14:37	05/11/10 10:32	7439-97-6	
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260								
Acetone	ND	ug/kg	2360	50		05/12/10 15:20	67-64-1	
Benzene	ND	ug/kg	13.7	1		05/10/10 14:49	71-43-2	
Bromochloromethane	ND	ug/kg	13.7	1		05/10/10 14:49	74-97-5	
Bromodichloromethane	ND	ug/kg	13.7	1		05/10/10 14:49	75-27-4	
Bromoform	ND	ug/kg	13.7	1		05/10/10 14:49	75-25-2	
Bromomethane	ND	ug/kg	13.7	1		05/10/10 14:49	74-83-9	
TOTAL BTEX	ND	ug/kg	82.1	1		05/10/10 14:49		
2-Butanone (MEK)	125	ug/kg	27.4	1		05/10/10 14:49	78-93-3	
n-Butylbenzene	ND	ug/kg	13.7	1		05/10/10 14:49	104-51-8	
sec-Butylbenzene	ND	ug/kg	13.7	1		05/10/10 14:49	135-98-8	
Carbon disulfide	15.7	ug/kg	13.7	1		05/10/10 14:49	75-15-0	
Carbon tetrachloride	ND	ug/kg	13.7	1		05/10/10 14:49	56-23-5	
Chlorobenzene	ND	ug/kg	13.7	1		05/10/10 14:49	108-90-7	
Chloroethane	ND	ug/kg	13.7	1		05/10/10 14:49	75-00-3	
Chloroform	ND	ug/kg	13.7	1		05/10/10 14:49	67-66-3	
Chloromethane	ND	ug/kg	13.7	1		05/10/10 14:49	74-87-3	

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Greensburg, PA 15601  
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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Downstream-Sed Lab ID: 3027322016 Collected: 05/06/10 18:00 Received: 05/08/10 09:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/kg	13.7	1		05/10/10 14:49	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	13.7	1		05/10/10 14:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	13.7	1		05/10/10 14:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	13.7	1		05/10/10 14:49	106-46-7	
1,1-Dichloroethane	ND	ug/kg	13.7	1		05/10/10 14:49	75-34-3	
1,2-Dichloroethane	ND	ug/kg	13.7	1		05/10/10 14:49	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	27.4	1		05/10/10 14:49	540-59-0	
1,1-Dichloroethene	ND	ug/kg	13.7	1		05/10/10 14:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	13.7	1		05/10/10 14:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	13.7	1		05/10/10 14:49	156-60-5	
1,2-Dichloropropane	ND	ug/kg	13.7	1		05/10/10 14:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	13.7	1		05/10/10 14:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	13.7	1		05/10/10 14:49	10061-02-6	
Ethylbenzene	ND	ug/kg	13.7	1		05/10/10 14:49	100-41-4	
2-Hexanone	ND	ug/kg	27.4	1		05/10/10 14:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	13.7	1		05/10/10 14:49	98-82-8	
p-Isopropyltoluene	ND	ug/kg	13.7	1		05/10/10 14:49	99-87-6	
Methylene Chloride	ND	ug/kg	13.7	1		05/10/10 14:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	27.4	1		05/10/10 14:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	13.7	1		05/10/10 14:49	1634-04-4	
Naphthalene	ND	ug/kg	13.7	1		05/10/10 14:49	91-20-3	
n-Propylbenzene	ND	ug/kg	13.7	1		05/10/10 14:49	103-65-1	
Styrene	ND	ug/kg	13.7	1		05/10/10 14:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	13.7	1		05/10/10 14:49	79-34-5	
Tetrachloroethene	ND	ug/kg	13.7	1		05/10/10 14:49	127-18-4	
Toluene	ND	ug/kg	13.7	1		05/10/10 14:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	13.7	1		05/10/10 14:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	13.7	1		05/10/10 14:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	13.7	1		05/10/10 14:49	79-00-5	
Trichloroethene	ND	ug/kg	13.7	1		05/10/10 14:49	79-01-8	
1,2,4-Trimethylbenzene	ND	ug/kg	13.7	1		05/10/10 14:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	13.7	1		05/10/10 14:49	108-67-8	
Vinyl chloride	ND	ug/kg	13.7	1		05/10/10 14:49	75-01-4	
Xylene (Total)	ND	ug/kg	41.0	1		05/10/10 14:49	1330-20-7	
m&p-Xylene	ND	ug/kg	27.4	1		05/10/10 14:49	179601-23-1	
o-Xylene	ND	ug/kg	13.7	1		05/10/10 14:49	95-47-6	
Toluene-d8 (S)	86	%	70-130	1		05/10/10 14:49	2037-26-5	
4-Bromofluorobenzene (S)	100	%	70-130	1		05/10/10 14:49	460-00-4	
1,2-Dichloroethane-d4 (S)	128	%	70-130	1		05/10/10 14:49	17060-07-0	

### Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	53.0	%	0.10	1		05/12/10 14:25
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### 9034 Sulfide

Analytical Method: EPA 9034

Sulfide	ND	mg/kg	21.3	1		05/12/10 19:50
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### ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: Downstream-Sed ASTM		Lab ID: 3027322017		Collected: 05/06/10 18:00		Received: 05/08/10 09:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
5540C MBAS Surfactants									
Analytical Method: SM 5540C									
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		3c	
4500 Chloride									
Analytical Method: SM 4500-Cl-E									
Chloride	4.1	mg/L	3.0	1		05/12/10 20:29	16887-00-6		

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634 00017

Pace Project No.: 3027322

Sample: Field Lab ID: 3027322018 Collected: 05/06/10 17:45 Received: 05/08/10 09:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	13500	mg/kg	14.9	1	05/10/10 11:35	05/11/10 13:52	7429-90-5	
Antimony	ND	mg/kg	0.74	1	05/10/10 11:35	05/11/10 13:52	7440-36-0	
Arsenic	10.1	mg/kg	0.74	1	05/10/10 11:35	05/11/10 13:52	7440-38-2	
Barium	485	mg/kg	3.0	1	05/10/10 11:35	05/11/10 13:52	7440-39-3	
Beryllium	0.64	mg/kg	0.30	1	05/10/10 11:35	05/11/10 13:52	7440-41-7	
Boron	10.4	mg/kg	7.4	1	05/10/10 11:35	05/11/10 13:52	7440-42-8	
Cadmium	ND	mg/kg	0.30	1	05/10/10 11:35	05/11/10 13:52	7440-43-9	
Calcium	2230	mg/kg	298	1	05/10/10 11:35	05/11/10 13:52	7440-70-2	
Chromium	15.9	mg/kg	0.74	1	05/10/10 11:35	05/11/10 13:52	7440-47-3	
Cobalt	10.2	mg/kg	1.5	1	05/10/10 11:35	05/11/10 13:52	7440-48-4	
Copper	21.6	mg/kg	1.5	1	05/10/10 11:35	05/11/10 13:52	7440-50-8	
Iron	22900	mg/kg	14.9	1	05/10/10 11:35	05/11/10 13:52	7439-89-6	
Lead	40.9	mg/kg	0.74	1	05/10/10 11:35	05/11/10 13:52	7439-92-1	
Magnesium	3150	mg/kg	74.4	1	05/10/10 11:35	05/11/10 13:52	7439-95-4	
Manganese	1020	mg/kg	1.5	1	05/10/10 11:35	05/11/10 13:52	7439-96-5	
Molybdenum	ND	mg/kg	3.0	1	05/10/10 11:35	05/11/10 13:52	7439-98-7	
Nickel	17.8	mg/kg	3.0	1	05/10/10 11:35	05/11/10 13:52	7440-02-0	
Potassium	1930	mg/kg	74.4	1	05/10/10 11:35	05/11/10 13:52	7440-09-7	
Selenium	0.91	mg/kg	0.74	1	05/10/10 11:35	05/11/10 13:52	7782-49-2	
Silver	0.38	mg/kg	0.30	1	05/10/10 11:35	05/11/10 13:52	7440-22-4	
Sodium	ND	mg/kg	744	1	05/10/10 11:35	05/11/10 13:52	7440-23-5	
Thallium	ND	mg/kg	3.0	1	05/10/10 11:35	05/11/10 13:52	7440-28-0	
Vanadium	19.3	mg/kg	1.5	1	05/10/10 11:35	05/11/10 13:52	7440-62-2	
Zinc	179	mg/kg	1.5	1	05/10/10 11:35	05/11/10 13:52	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.14	1	05/10/10 14:37	05/11/10 10:33	7439-97-6	
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260								
Acetone	397	ug/kg	19.8	1		05/10/10 15:14	67-64-1	
Benzene	ND	ug/kg	9.9	1		05/10/10 15:14	71-43-2	
Bromochloromethane	ND	ug/kg	9.9	1		05/10/10 15:14	74-97-5	
Bromodichloromethane	ND	ug/kg	9.9	1		05/10/10 15:14	75-27-4	
Bromoform	ND	ug/kg	9.9	1		05/10/10 15:14	75-25-2	
Bromomethane	ND	ug/kg	9.9	1		05/10/10 15:14	74-83-9	
TOTAL BTEX	ND	ug/kg	59.5	1		05/10/10 15:14		
2-Butanone (MEK)	29.2	ug/kg	19.8	1		05/10/10 15:14	78-93-3	
n-Butylbenzene	ND	ug/kg	9.9	1		05/10/10 15:14	104-51-8	
sec-Butylbenzene	ND	ug/kg	9.9	1		05/10/10 15:14	135-98-8	
Carbon disulfide	21.4	ug/kg	9.9	1		05/10/10 15:14	75-15-0	
Carbon tetrachloride	ND	ug/kg	9.9	1		05/10/10 15:14	56-23-5	
Chlorobenzene	ND	ug/kg	9.9	1		05/10/10 15:14	108-90-7	
Chloroethane	ND	ug/kg	9.9	1		05/10/10 15:14	75-00-3	
Chloroform	ND	ug/kg	9.9	1		05/10/10 15:14	67-66-3	
Chloromethane	ND	ug/kg	9.9	1		05/10/10 15:14	74-87-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: Field Lab ID: 3027322018 Collected: 05/06/10 17:45 Received: 05/08/10 09:07 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/kg	9.9	1		05/10/10 15:14	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	9.9	1		05/10/10 15:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	9.9	1		05/10/10 15:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	9.9	1		05/10/10 15:14	106-46-7	
1,1-Dichloroethane	ND	ug/kg	9.9	1		05/10/10 15:14	75-34-3	
1,2-Dichloroethane	ND	ug/kg	9.9	1		05/10/10 15:14	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	19.8	1		05/10/10 15:14	540-59-0	
1,1-Dichloroethene	ND	ug/kg	9.9	1		05/10/10 15:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	9.9	1		05/10/10 15:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	9.9	1		05/10/10 15:14	156-60-5	
1,2-Dichloropropane	ND	ug/kg	9.9	1		05/10/10 15:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	9.9	1		05/10/10 15:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	9.9	1		05/10/10 15:14	10061-02-6	
Ethylbenzene	ND	ug/kg	9.9	1		05/10/10 15:14	100-41-4	
2-Hexanone	ND	ug/kg	19.8	1		05/10/10 15:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	9.9	1		05/10/10 15:14	98-82-8	
Isopropyltoluene	ND	ug/kg	9.9	1		05/10/10 15:14	99-87-6	
Ethylene Chloride	ND	ug/kg	9.9	1		05/10/10 15:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	19.8	1		05/10/10 15:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	9.9	1		05/10/10 15:14	1634-04-4	
Naphthalene	ND	ug/kg	9.9	1		05/10/10 15:14	91-20-3	
n-Propylbenzene	ND	ug/kg	9.9	1		05/10/10 15:14	103-65-1	
Styrene	ND	ug/kg	9.9	1		05/10/10 15:14	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	9.9	1		05/10/10 15:14	79-34-5	
Tetrachloroethene	ND	ug/kg	9.9	1		05/10/10 15:14	127-18-4	
Toluene	20.0	ug/kg	9.9	1		05/10/10 15:14	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	9.9	1		05/10/10 15:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	9.9	1		05/10/10 15:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	9.9	1		05/10/10 15:14	79-00-5	
Trichloroethene	ND	ug/kg	9.9	1		05/10/10 15:14	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	9.9	1		05/10/10 15:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	9.9	1		05/10/10 15:14	108-67-8	
Vinyl chloride	ND	ug/kg	9.9	1		05/10/10 15:14	75-01-4	
Xylene (Total)	ND	ug/kg	29.8	1		05/10/10 15:14	1330-20-7	
m&p-Xylene	ND	ug/kg	19.8	1		05/10/10 15:14	179601-23-1	
o-Xylene	ND	ug/kg	9.9	1		05/10/10 15:14	95-47-6	
Toluene-d8 (S)	93	%	70-130	1		05/10/10 15:14	2037-26-5	
4-Bromofluorobenzene (S)	125	%	70-130	1		05/10/10 15:14	460-00-4	
1,2-Dichloroethane-d4 (S)	124	%	70-130	1		05/10/10 15:14	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	35.4	%	0.10	1		05/12/10 14:26		
<b>9034 Sulfide</b>		Analytical Method: EPA 9034						
Sulfide	ND	mg/kg	15.5	1		05/12/10 19:50		

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: Field ASTM		Lab ID: 3027322019	Collected: 05/06/10 17:45	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		3c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	3.3	mg/L	3.0	1		05/12/10 20:30	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: DW Lab ID: 3027322020 Collected: 05/07/10 09:40 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:34	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:34	7440-36-0	
Arsenic	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:34	7440-38-2	
Barium	72.5	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:34	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:34	7440-41-7	
Boron	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:34	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:34	7440-43-9	
Calcium	25300	ug/L	1000	1	05/10/10 13:00	05/13/10 12:34	7440-70-2	
Chromium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:34	7440-47-3	
Cobalt	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:34	7440-48-4	
Copper	259	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:34	7440-50-8	
Iron	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:34	7439-89-6	
Lead	2.0	ug/L	2.0	1	05/10/10 13:00	05/13/10 12:34	7439-92-1	
Magnesium	6700	ug/L	200	1	05/10/10 13:00	05/13/10 12:34	7439-95-4	
Manganese	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:34	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/10/10 13:00	05/13/10 12:34	7439-98-7	
Nickel	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:34	7440-02-0	
Potassium	1060	ug/L	500	1	05/10/10 13:00	05/13/10 12:34	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:34	7782-49-2	
Silver	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:34	7440-22-4	
Sodium	14100	ug/L	1000	1	05/10/10 13:00	05/13/10 12:34	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:34	7440-28-0	
Vanadium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:34	7440-62-2	
Zinc	12.0	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:34	7440-66-6	

<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Aluminum, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:45	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:45	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:45	7440-38-2	
Barium, Dissolved	74.6	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:45	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:45	7440-41-7	
Boron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:45	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:45	7440-43-9	
Calcium, Dissolved	25800	ug/L	1000	1	05/11/10 14:24	05/12/10 12:45	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:45	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:45	7440-48-4	
Copper, Dissolved	247	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:45	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 12:45	7439-89-6	
Lead, Dissolved	2.4	ug/L	2.0	1	05/11/10 14:24	05/12/10 12:45	7439-92-1	
Magnesium, Dissolved	6800	ug/L	200	1	05/11/10 14:24	05/12/10 12:45	7439-95-4	
Manganese, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:45	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	05/11/10 14:24	05/12/10 12:45	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:45	7440-02-0	
Potassium, Dissolved	1070	ug/L	500	1	05/11/10 14:24	05/12/10 12:45	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:45	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 12:45	7440-22-4	
Sodium, Dissolved	14100	ug/L	1000	1	05/11/10 14:24	05/12/10 12:45	7440-23-5	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample:	DW	Lab ID: 3027322020	Collected: 05/07/10 09:40	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>6010 MET ICP, Lab Filtered</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Thallium, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 12:45	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 12:45	7440-62-2	
Zinc, Dissolved	17.5 ug/L		10.0	1	05/11/10 14:24	05/12/10 12:45	7440-66-6	
<b>7470 Mercury</b>								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	05/11/10 11:36	05/12/10 07:45	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>								
Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND ug/L		0.20	1	05/11/10 11:37	05/12/10 08:35	7439-97-6	
<b>8260 MSV</b>								
Analytical Method: EPA 8260								
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 20:21	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/10/10 20:21	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/10/10 20:21	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 20:21	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		05/10/10 20:21	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		05/10/10 20:21	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 20:21	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 20:21	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		05/10/10 20:21	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 20:21	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 20:21	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 20:21	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 20:21	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 20:21	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 20:21	78-93-3	
2-Hexanone	ND ug/L		10.0	1		05/10/10 20:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/10/10 20:21	108-10-1	
Acetone	ND ug/L		10.0	1		05/10/10 20:21	67-64-1	
Benzene	ND ug/L		1.0	1		05/10/10 20:21	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		05/10/10 20:21	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		05/10/10 20:21	75-27-4	
Bromoform	ND ug/L		1.0	1		05/10/10 20:21	75-25-2	
Bromomethane	ND ug/L		1.0	1		05/10/10 20:21	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/10/10 20:21	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/10/10 20:21	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/10/10 20:21	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/10/10 20:21	75-00-3	
Chloroform	ND ug/L		1.0	1		05/10/10 20:21	67-66-3	
Chloromethane	ND ug/L		1.0	1		05/10/10 20:21	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		05/10/10 20:21	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		05/10/10 20:21	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/10/10 20:21	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/10/10 20:21	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		05/10/10 20:21	75-09-2	
Naphthalene	ND ug/L		2.0	1		05/10/10 20:21	91-20-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample:	DW	Lab ID: 3027322020	Collected: 05/07/10 09:40	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260								
Styrene	ND	ug/L	1.0	1		05/10/10 20:21	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/10 20:21	127-18-4	
Toluene	ND	ug/L	1.0	1		05/10/10 20:21	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/10/10 20:21	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/10/10 20:21	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/10/10 20:21	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 20:21	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 20:21	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/10/10 20:21	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/10/10 20:21	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/10/10 20:21	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/10/10 20:21	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/10/10 20:21	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/10/10 20:21	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 20:21	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 20:21	10061-02-6	
4-Bromofluorobenzene (S)	95 %		70-130	1		05/10/10 20:21	460-00-4	
2-Dichloroethane-d4 (S)	120 %		70-130	1		05/10/10 20:21	17060-07-0	
luene-d8 (S)	95 %		70-130	1		05/10/10 20:21	2037-26-5	
2540C Total Dissolved Solids Analytical Method: SM 2540C								
Total Dissolved Solids	145	mg/L	10.0	1		05/12/10 21:12		
2540D Total Suspended Solids Analytical Method: SM 2540D								
Total Suspended Solids	8.0	mg/L	4.0	1		05/10/10 21:20		
5540C MBAS Surfactants Analytical Method: SM 5540C								
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		2c
9034 Sulfide Water Analytical Method: EPA 9034								
Sulfide	ND	mg/L	1.0	1		05/12/10 23:40		
4500 Chloride Analytical Method: SM 4500-Cl-E								
Chloride	30.9	mg/L	3.0	1		05/12/10 20:30	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: [REDACTED] DW	Lab ID: 3027322021	Collected: 05/07/10 10:00	Received: 05/08/10 09:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:37	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7440-36-0	
Arsenic	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7440-38-2	
Barium	101	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:37	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:37	7440-41-7	
Boron	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:37	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:37	7440-43-9	
Calcium	27000	ug/L	1000	1	05/10/10 13:00	05/13/10 12:37	7440-70-2	
Chromium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7440-47-3	
Cobalt	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7440-48-4	
Copper	46.6	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7440-50-8	
Iron	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:37	7439-89-6	
Lead	ND	ug/L	2.0	1	05/10/10 13:00	05/13/10 12:37	7439-92-1	
Magnesium	7370	ug/L	200	1	05/10/10 13:00	05/13/10 12:37	7439-95-4	
Manganese	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/10/10 13:00	05/13/10 12:37	7439-98-7	
Nickel	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:37	7440-02-0	
Potassium	1280	ug/L	500	1	05/10/10 13:00	05/13/10 12:37	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7782-49-2	
Silver	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:37	7440-22-4	
Sodium	6300	ug/L	1000	1	05/10/10 13:00	05/13/10 12:37	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:37	7440-28-0	
Vanadium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:37	7440-62-2	
Zinc	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:37	7440-66-6	

<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Aluminum, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 12:48	7429-90-5		
Antimony, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:48	7440-36-0		
Arsenic, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:48	7440-38-2		
Barium, Dissolved	96.6 ug/L	10.0	1	05/11/10 14:24	05/12/10 12:48	7440-39-3		
Beryllium, Dissolved	ND ug/L	1.0	1	05/11/10 14:24	05/12/10 12:48	7440-41-7		
Boron, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 12:48	7440-42-8		
Cadmium, Dissolved	ND ug/L	1.0	1	05/11/10 14:24	05/12/10 12:48	7440-43-9		
Calcium, Dissolved	26500 ug/L	1000	1	05/11/10 14:24	05/12/10 12:48	7440-70-2		
Chromium, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:48	7440-47-3		
Cobalt, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:48	7440-48-4		
Copper, Dissolved	48.0 ug/L	5.0	1	05/11/10 14:24	05/12/10 12:48	7440-50-8		
Iron, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 12:48	7439-89-6		
Lead, Dissolved	3.4 ug/L	2.0	1	05/11/10 14:24	05/12/10 12:48	7439-92-1		
Magnesium, Dissolved	7240 ug/L	200	1	05/11/10 14:24	05/12/10 12:48	7439-95-4		
Manganese, Dissolved	6.8 ug/L	5.0	1	05/11/10 14:24	05/12/10 12:48	7439-96-5		
Molybdenum, Dissolved	ND ug/L	20.0	1	05/11/10 14:24	05/12/10 12:48	7439-98-7		
Nickel, Dissolved	ND ug/L	10.0	1	05/11/10 14:24	05/12/10 12:48	7440-02-0		
Potassium, Dissolved	1290 ug/L	500	1	05/11/10 14:24	05/12/10 12:48	7440-09-7		
Selenium, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 12:48	7782-49-2		
Silver, Dissolved	ND ug/L	1.0	1	05/11/10 14:24	05/12/10 12:48	7440-22-4		
Sodium, Dissolved	6510 ug/L	1000	1	05/11/10 14:24	05/12/10 12:48	7440-23-5		

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## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample:	DW	Lab ID: 3027322021	Collected: 05/07/10 10:00	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Thallium, Dissolved	ND	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:48	7440-28-0	
Vanadium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 12:48	7440-62-2	
Zinc, Dissolved	10.4	ug/L	10.0	1	05/11/10 14:24	05/12/10 12:48	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	05/11/10 11:36	05/12/10 07:47	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	0.20	1	05/11/10 11:37	05/12/10 08:36	7439-97-6	
<b>8260 MSV</b> Analytical Method: EPA 8260								
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/10/10 20:47	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/10 20:47	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/10/10 20:47	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/10/10 20:47	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/10/10 20:47	75-35-4	
2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/10/10 20:47	120-82-1	
1,4-Trimethylbenzene	ND	ug/L	1.0	1		05/10/10 20:47	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/10/10 20:47	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/10/10 20:47	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		05/10/10 20:47	540-59-0	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/10/10 20:47	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/10/10 20:47	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/10/10 20:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/10/10 20:47	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/10/10 20:47	78-93-3	
2-Hexanone	ND	ug/L	10.0	1		05/10/10 20:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/10/10 20:47	108-10-1	
Acetone	ND	ug/L	10.0	1		05/10/10 20:47	67-64-1	
Benzene	ND	ug/L	1.0	1		05/10/10 20:47	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/10/10 20:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/10/10 20:47	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/10/10 20:47	75-25-2	
Bromomethane	ND	ug/L	1.0	1		05/10/10 20:47	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		05/10/10 20:47	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/10/10 20:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/10/10 20:47	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/10/10 20:47	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/10/10 20:47	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/10/10 20:47	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/10/10 20:47	124-48-1	
Ethylbenzene	ND	ug/L	1.0	1		05/10/10 20:47	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/10/10 20:47	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/10/10 20:47	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		05/10/10 20:47	75-09-2	
Naphthalene	ND	ug/L	2.0	1		05/10/10 20:47	91-20-3	

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CABOT-EPA 006989



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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: <span style="background-color: black; color: black;">XXXXXXXXXX</span> DW	Lab ID: 3027322021	Collected: 05/07/10 10:00	Received: 05/08/10 09:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260								
Styrene	ND ug/L		1.0	1		05/10/10 20:47	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		05/10/10 20:47	127-18-4	
Toluene	ND ug/L		1.0	1		05/10/10 20:47	108-88-3	
Trichloroethene	ND ug/L		1.0	1		05/10/10 20:47	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		05/10/10 20:47	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		05/10/10 20:47	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		05/10/10 20:47	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		05/10/10 20:47	10061-01-5	
m&p-Xylene	ND ug/L		2.0	1		05/10/10 20:47	179601-23-1	
n-Butylbenzene	ND ug/L		1.0	1		05/10/10 20:47	104-51-8	
n-Propylbenzene	ND ug/L		1.0	1		05/10/10 20:47	103-65-1	
o-Xylene	ND ug/L		1.0	1		05/10/10 20:47	95-47-6	
p-Isopropyltoluene	ND ug/L		1.0	1		05/10/10 20:47	99-87-6	
sec-Butylbenzene	ND ug/L		1.0	1		05/10/10 20:47	135-98-8	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		05/10/10 20:47	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		05/10/10 20:47	10061-02-6	
4-Bromofluorobenzene (S)	96 %		70-130	1		05/10/10 20:47	460-00-4	
1,2-Dichloroethane-d4 (S)	120 %		70-130	1		05/10/10 20:47	17060-07-0	
Toluene-d8 (S)	94 %		70-130	1		05/10/10 20:47	2037-26-5	
<b>2540C Total Dissolved Solids</b> Analytical Method: SM 2540C								
Total Dissolved Solids	111 mg/L		10.0	1		05/12/10 21:12		
<b>2540D Total Suspended Solids</b> Analytical Method: SM 2540D								
Total Suspended Solids	ND mg/L		4.0	1		05/11/10 20:42		
<b>5540C MBAS Surfactants</b> Analytical Method: SM 5540C								
Surfactants	ND mg/L		0.10	1		05/13/10 14:25		2c
<b>9034 Sulfide Water</b> Analytical Method: EPA 9034								
Sulfide	ND mg/L		1.0	1		05/12/10 23:40		
<b>4500 Chloride</b> Analytical Method: SM 4500-Cl-E								
Chloride	4.5 mg/L		3.0	1		05/12/10 20:31	16887-00-6	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: HD Well Lab ID: 3027322022 Collected: 05/07/10 10:45 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	1050	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:39	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:39	7440-36-0	
Arsenic	5.6	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:39	7440-38-2	
Barium	1490	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:39	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:39	7440-41-7	
Boron	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:39	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:39	7440-43-9	
Calcium	28800	ug/L	1000	1	05/10/10 13:00	05/13/10 12:39	7440-70-2	
Chromium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:39	7440-47-3	
Cobalt	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:39	7440-48-4	
Copper	73.5	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:39	7440-50-8	
Iron	1070	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:39	7439-89-6	
Lead	21.8	ug/L	2.0	1	05/10/10 13:00	05/13/10 12:39	7439-92-1	
Magnesium	4860	ug/L	200	1	05/10/10 13:00	05/13/10 12:39	7439-95-4	
Manganese	13.7	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:39	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/10/10 13:00	05/13/10 12:39	7439-98-7	
Nickel	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:39	7440-02-0	
Potassium	2190	ug/L	500	1	05/10/10 13:00	05/13/10 12:39	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:39	7782-49-2	
Silver	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:39	7440-22-4	
Sodium	76500	ug/L	1000	1	05/10/10 13:00	05/13/10 12:39	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:39	7440-28-0	
Vanadium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:39	7440-62-2	
Zinc	26.3	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:39	7440-66-6	

### 6010 MET ICP, Lab Filtered

Analytical Method: EPA 6010 Preparation Method: EPA 3005

Aluminum, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 13:06	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:06	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:06	7440-38-2	
Barium, Dissolved	238	ug/L	10.0	1	05/11/10 14:24	05/12/10 13:06	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 13:06	7440-41-7	
Boron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 13:06	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 13:06	7440-43-9	
Calcium, Dissolved	26500	ug/L	1000	1	05/11/10 14:24	05/12/10 13:06	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:06	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:06	7440-48-4	
Copper, Dissolved	27.8	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:06	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 13:06	7439-89-6	
Lead, Dissolved	3.8	ug/L	2.0	1	05/11/10 14:24	05/12/10 13:06	7439-92-1	
Magnesium, Dissolved	4330	ug/L	200	1	05/11/10 14:24	05/12/10 13:06	7439-95-4	
Manganese, Dissolved	9.7	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:06	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	05/11/10 14:24	05/12/10 13:06	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	05/11/10 14:24	05/12/10 13:06	7440-02-0	
Potassium, Dissolved	1620	ug/L	500	1	05/11/10 14:24	05/12/10 13:06	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:06	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 13:06	7440-22-4	
Sodium, Dissolved	71300	ug/L	1000	1	05/11/10 14:24	05/12/10 13:06	7440-23-5	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample:	HD Well	Lab ID: 3027322022	Collected: 05/07/10 10:45	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Lab Filtered		Analytical Method: EPA 6010 Preparation Method: EPA 3005						
Thallium, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 13:06	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 13:06	7440-62-2	
Zinc, Dissolved	20.3 ug/L		10.0	1	05/11/10 14:24	05/12/10 13:06	7440-66-6	
7470 Mercury		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND ug/L		0.20	1	05/11/10 11:36	05/12/10 07:49	7439-97-6	
7470 Mercury, Lab Filtered		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND ug/L		0.20	1	05/11/10 11:37	05/12/10 08:38	7439-97-6	
8260 MSV		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 21:13	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/10/10 21:13	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/10/10 21:13	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 21:13	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		05/10/10 21:13	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		05/10/10 21:13	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 21:13	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 21:13	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		05/10/10 21:13	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 21:13	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 21:13	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 21:13	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 21:13	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 21:13	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 21:13	78-93-3	
2-Hexanone	ND ug/L		10.0	1		05/10/10 21:13	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/10/10 21:13	108-10-1	
Acetone	ND ug/L		10.0	1		05/10/10 21:13	67-64-1	
Benzene	ND ug/L		1.0	1		05/10/10 21:13	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		05/10/10 21:13	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		05/10/10 21:13	75-27-4	
Bromoform	ND ug/L		1.0	1		05/10/10 21:13	75-25-2	
Bromomethane	ND ug/L		1.0	1		05/10/10 21:13	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/10/10 21:13	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/10/10 21:13	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/10/10 21:13	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/10/10 21:13	75-00-3	
Chloroform	ND ug/L		1.0	1		05/10/10 21:13	67-66-3	
Chloromethane	ND ug/L		1.0	1		05/10/10 21:13	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		05/10/10 21:13	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		05/10/10 21:13	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/10/10 21:13	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/10/10 21:13	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		05/10/10 21:13	75-09-2	
Naphthalene	ND ug/L		2.0	1		05/10/10 21:13	91-20-3	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample:	HD Well	Lab ID: 3027322022	Collected: 05/07/10 10:45	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Styrene	ND	ug/L	1.0	1		05/10/10 21:13	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/10 21:13	127-18-4	
Toluene	ND	ug/L	1.0	1		05/10/10 21:13	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/10/10 21:13	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/10/10 21:13	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/10/10 21:13	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 21:13	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 21:13	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/10/10 21:13	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/10/10 21:13	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/10/10 21:13	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/10/10 21:13	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/10/10 21:13	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/10/10 21:13	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 21:13	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 21:13	10061-02-6	
4-Bromofluorobenzene (S)	97 %		70-130	1		05/10/10 21:13	460-00-4	
1,2-Dichloroethane-d4 (S)	126 %		70-130	1		05/10/10 21:13	17060-07-0	
Toluene-d8 (S)	97 %		70-130	1		05/10/10 21:13	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	276	mg/L	10.0	1		05/12/10 21:12		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	ND	mg/L	4.0	1		05/11/10 20:42		
5540C MBAS Surfactants		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		2c
9034 Sulfide Water		Analytical Method: EPA 9034						
Sulfide	ND	mg/L	1.0	1		05/12/10 23:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	105	mg/L	6.0	2		05/12/10 20:53	16887-00-6	

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(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Well Lab ID: 3027322023 Collected: 05/07/10 10:45 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	570 ug/L	50.0	1	05/10/10 13:00	05/13/10 12:42	7429-90-5		
Antimony	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:42	7440-36-0		
Arsenic	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:42	7440-38-2		
Barium	34.1 ug/L	10.0	1	05/10/10 13:00	05/13/10 12:42	7440-39-3		
Beryllium	ND ug/L	1.0	1	05/10/10 13:00	05/13/10 12:42	7440-41-7		
Boron	ND ug/L	50.0	1	05/10/10 13:00	05/13/10 12:42	7440-42-8		
Cadmium	ND ug/L	1.0	1	05/10/10 13:00	05/13/10 12:42	7440-43-9		
Calcium	12100 ug/L	1000	1	05/10/10 13:00	05/13/10 12:42	7440-70-2		
Chromium	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:42	7440-47-3		
Cobalt	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:42	7440-48-4		
Copper	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:42	7440-50-8		
Iron	642 ug/L	50.0	1	05/10/10 13:00	05/13/10 12:42	7439-89-6		
Lead	ND ug/L	2.0	1	05/10/10 13:00	05/13/10 12:42	7439-92-1		
Magnesium	2590 ug/L	200	1	05/10/10 13:00	05/13/10 12:42	7439-95-4		
Manganese	22.7 ug/L	5.0	1	05/10/10 13:00	05/13/10 12:42	7439-96-5		
Molybdenum	ND ug/L	20.0	1	05/10/10 13:00	05/13/10 12:42	7439-98-7		
Nickel	ND ug/L	10.0	1	05/10/10 13:00	05/13/10 12:42	7440-02-0		
Potassium	1590 ug/L	500	1	05/10/10 13:00	05/13/10 12:42	7440-09-7		
Selenium	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:42	7782-49-2		
Silver	ND ug/L	1.0	1	05/10/10 13:00	05/13/10 12:42	7440-22-4		
Sodium	11600 ug/L	1000	1	05/10/10 13:00	05/13/10 12:42	7440-23-5		
Thallium	ND ug/L	10.0	1	05/10/10 13:00	05/13/10 12:42	7440-28-0		
Vanadium	ND ug/L	5.0	1	05/10/10 13:00	05/13/10 12:42	7440-62-2		
Zinc	ND ug/L	10.0	1	05/10/10 13:00	05/13/10 12:42	7440-66-6		

<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Aluminum, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 13:09	7429-90-5		
Antimony, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 13:09	7440-36-0		
Arsenic, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 13:09	7440-38-2		
Barium, Dissolved	27.0 ug/L	10.0	1	05/11/10 14:24	05/12/10 13:09	7440-39-3		
Beryllium, Dissolved	ND ug/L	1.0	1	05/11/10 14:24	05/12/10 13:09	7440-41-7		
Boron, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 13:09	7440-42-8		
Cadmium, Dissolved	ND ug/L	1.0	1	05/11/10 14:24	05/12/10 13:09	7440-43-9		
Calcium, Dissolved	11600 ug/L	1000	1	05/11/10 14:24	05/12/10 13:09	7440-70-2		
Chromium, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 13:09	7440-47-3		
Cobalt, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 13:09	7440-48-4		
Copper, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 13:09	7440-50-8		
Iron, Dissolved	ND ug/L	50.0	1	05/11/10 14:24	05/12/10 13:09	7439-89-6		
Lead, Dissolved	3.6 ug/L	2.0	1	05/11/10 14:24	05/12/10 13:09	7439-92-1		
Magnesium, Dissolved	2390 ug/L	200	1	05/11/10 14:24	05/12/10 13:09	7439-95-4		
Manganese, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 13:09	7439-96-5		
Molybdenum, Dissolved	ND ug/L	20.0	1	05/11/10 14:24	05/12/10 13:09	7439-98-7		
Nickel, Dissolved	ND ug/L	10.0	1	05/11/10 14:24	05/12/10 13:09	7440-02-0		
Potassium, Dissolved	1340 ug/L	500	1	05/11/10 14:24	05/12/10 13:09	7440-09-7		
Selenium, Dissolved	ND ug/L	5.0	1	05/11/10 14:24	05/12/10 13:09	7782-49-2		
Silver, Dissolved	ND ug/L	1.0	1	05/11/10 14:24	05/12/10 13:09	7440-22-4		
Sodium, Dissolved	10400 ug/L	1000	1	05/11/10 14:24	05/12/10 13:09	7440-23-5		

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Well		Lab ID: 3027322023	Collected: 05/07/10 10:45		Received: 05/08/10 09:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3005						
Thallium, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 13:09	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 13:09	7440-62-2	
Zinc, Dissolved	11.7 ug/L		10.0	1	05/11/10 14:24	05/12/10 13:09	7440-66-8	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND ug/L		0.20	1	05/11/10 11:36	05/12/10 07:50	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND ug/L		0.20	1	05/11/10 11:37	05/12/10 09:21	7439-97-6	
<b>8260 MSV</b>		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 21:39	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/10/10 21:39	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/10/10 21:39	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 21:39	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		05/10/10 21:39	75-35-4	
2,4-Trichlorobenzene	ND ug/L		1.0	1		05/10/10 21:39	120-82-1	
2,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 21:39	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 21:39	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		05/10/10 21:39	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 21:39	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 21:39	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 21:39	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 21:39	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 21:39	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 21:39	78-93-3	
2-Hexanone	ND ug/L		10.0	1		05/10/10 21:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/10/10 21:39	108-10-1	
Acetone	ND ug/L		10.0	1		05/10/10 21:39	67-64-1	
Benzene	ND ug/L		1.0	1		05/10/10 21:39	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		05/10/10 21:39	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		05/10/10 21:39	75-27-4	
Bromoform	ND ug/L		1.0	1		05/10/10 21:39	75-25-2	
Bromomethane	ND ug/L		1.0	1		05/10/10 21:39	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/10/10 21:39	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/10/10 21:39	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/10/10 21:39	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/10/10 21:39	75-00-3	
Chloroform	ND ug/L		1.0	1		05/10/10 21:39	67-66-3	
Chloromethane	ND ug/L		1.0	1		05/10/10 21:39	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		05/10/10 21:39	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		05/10/10 21:39	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/10/10 21:39	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/10/10 21:39	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		05/10/10 21:39	75-09-2	
Naphthalene	ND ug/L		2.0	1		05/10/10 21:39	91-20-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample:	HD Well	Lab ID: 3027322023	Collected: 05/07/10 10:45	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Styrene	ND	ug/L	1.0	1		05/10/10 21:39	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/10 21:39	127-18-4	
Toluene	ND	ug/L	1.0	1		05/10/10 21:39	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/10/10 21:39	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/10/10 21:39	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/10/10 21:39	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 21:39	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 21:39	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/10/10 21:39	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/10/10 21:39	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/10/10 21:39	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/10/10 21:39	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/10/10 21:39	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/10/10 21:39	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 21:39	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 21:39	10061-02-6	
4-Bromofluorobenzene (S)	98 %		70-130	1		05/10/10 21:39	460-00-4	
1,2-Dichloroethane-d4 (S)	121 %		70-130	1		05/10/10 21:39	17060-07-0	
Toluene-d8 (S)	95 %		70-130	1		05/10/10 21:39	2037-26-5	
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	84.0	mg/L	10.0	1		05/12/10 21:12		
2540D Total Suspended Solids		Analytical Method: SM 2540D						
Total Suspended Solids	81.0	mg/L	4.0	1		05/11/10 20:42		
5540C MBAS Surfactants		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		2c
9034 Sulfide Water		Analytical Method: EPA 9034						
Sulfide	ND	mg/L	1.0	1		05/12/10 23:40		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	18.2	mg/L	3.0	1		05/12/10 20:32	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: P Tank Lab ID: 3027322024 Collected: 05/07/10 11:45 Received: 05/08/10 09:07 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	116	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:45	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:45	7440-36-0	
Arsenic	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:45	7440-38-2	
Barium	152	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:45	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:45	7440-41-7	
Boron	ND	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:45	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:45	7440-43-9	
Calcium	28100	ug/L	1000	1	05/10/10 13:00	05/13/10 12:45	7440-70-2	
Chromium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:45	7440-47-3	
Cobalt	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:45	7440-48-4	
Copper	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:45	7440-50-8	
Iron	97.5	ug/L	50.0	1	05/10/10 13:00	05/13/10 12:45	7439-89-6	
Lead	ND	ug/L	2.0	1	05/10/10 13:00	05/13/10 12:45	7439-92-1	
Magnesium	4640	ug/L	200	1	05/10/10 13:00	05/13/10 12:45	7439-95-4	
Manganese	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:45	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/10/10 13:00	05/13/10 12:45	7439-98-7	
Nickel	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:45	7440-02-0	
Potassium	1800	ug/L	500	1	05/10/10 13:00	05/13/10 12:45	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:45	7782-49-2	
Silver	ND	ug/L	1.0	1	05/10/10 13:00	05/13/10 12:45	7440-22-4	
Sodium	74800	ug/L	1000	1	05/10/10 13:00	05/13/10 12:45	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:45	7440-28-0	
Vanadium	ND	ug/L	5.0	1	05/10/10 13:00	05/13/10 12:45	7440-62-2	
Zinc	ND	ug/L	10.0	1	05/10/10 13:00	05/13/10 12:45	7440-66-6	

### 6010 MET ICP, Lab Filtered

Analytical Method: EPA 6010 Preparation Method: EPA 3005

Aluminum, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 13:12	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:12	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:12	7440-38-2	
Barium, Dissolved	118	ug/L	10.0	1	05/11/10 14:24	05/12/10 13:12	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 13:12	7440-41-7	
Boron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 13:12	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 13:12	7440-43-9	
Calcium, Dissolved	28100	ug/L	1000	1	05/11/10 14:24	05/12/10 13:12	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:12	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:12	7440-48-4	
Copper, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:12	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	05/11/10 14:24	05/12/10 13:12	7439-89-6	
Lead, Dissolved	ND	ug/L	2.0	1	05/11/10 14:24	05/12/10 13:12	7439-92-1	
Magnesium, Dissolved	4580	ug/L	200	1	05/11/10 14:24	05/12/10 13:12	7439-95-4	
Manganese, Dissolved	12.1	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:12	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	05/11/10 14:24	05/12/10 13:12	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	05/11/10 14:24	05/12/10 13:12	7440-02-0	
Potassium, Dissolved	1710	ug/L	500	1	05/11/10 14:24	05/12/10 13:12	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	05/11/10 14:24	05/12/10 13:12	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	05/11/10 14:24	05/12/10 13:12	7440-22-4	
Sodium, Dissolved	74200	ug/L	1000	1	05/11/10 14:24	05/12/10 13:12	7440-23-5	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: █ P Tank	Lab ID: 3027322024	Collected: 05/07/10 11:45	Received: 05/08/10 09:07	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Thallium, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 13:12	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/11/10 14:24	05/12/10 13:12	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	05/11/10 14:24	05/12/10 13:12	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	05/11/10 11:36	05/12/10 07:55	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND ug/L		0.20	1	05/11/10 11:37	05/12/10 09:26	7439-97-6	
<b>8260 MSV</b> Analytical Method: EPA 8260								
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/10/10 22:05	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/10/10 22:05	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/10/10 22:05	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/10/10 22:05	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		05/10/10 22:05	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		05/10/10 22:05	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 22:05	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 22:05	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		05/10/10 22:05	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/10/10 22:05	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		05/10/10 22:05	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/10/10 22:05	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 22:05	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/10/10 22:05	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		05/10/10 22:05	78-93-3	
2-Hexanone	ND ug/L		10.0	1		05/10/10 22:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/10/10 22:05	108-10-1	
Acetone	ND ug/L		10.0	1		05/10/10 22:05	67-64-1	
Benzene	ND ug/L		1.0	1		05/10/10 22:05	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		05/10/10 22:05	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		05/10/10 22:05	75-27-4	
Bromoform	ND ug/L		1.0	1		05/10/10 22:05	75-25-2	
Bromomethane	ND ug/L		1.0	1		05/10/10 22:05	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/10/10 22:05	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/10/10 22:05	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/10/10 22:05	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/10/10 22:05	75-00-3	
Chloroform	ND ug/L		1.0	1		05/10/10 22:05	67-66-3	
Chloromethane	ND ug/L		1.0	1		05/10/10 22:05	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		05/10/10 22:05	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		05/10/10 22:05	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/10/10 22:05	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/10/10 22:05	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		05/10/10 22:05	75-09-2	
Naphthalene	ND ug/L		2.0	1		05/10/10 22:05	91-20-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: P Tank		Lab ID: 3027322024	Collected: 05/07/10 11:45		Received: 05/08/10 09:07		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Styrene	ND	ug/L	1.0	1		05/10/10 22:05	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/10 22:05	127-18-4	
Toluene	ND	ug/L	1.0	1		05/10/10 22:05	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/10/10 22:05	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/10/10 22:05	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/10/10 22:05	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 22:05	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 22:05	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/10/10 22:05	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/10/10 22:05	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/10/10 22:05	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/10/10 22:05	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/10/10 22:05	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/10/10 22:05	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 22:05	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 22:05	10061-02-6	
4-Bromofluorobenzene (S)	93	%	70-130	1		05/10/10 22:05	460-00-4	
2-Dichloroethane-d4 (S)	121	%	70-130	1		05/10/10 22:05	17060-07-0	
toluene-d8 (S)	93	%	70-130	1		05/10/10 22:05	2037-26-5	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C						
Total Dissolved Solids	200	mg/L	20.0	2		05/12/10 16:35		
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D						
Total Suspended Solids	11.0	mg/L	4.0	1		05/11/10 20:42		
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	0.18	mg/L	0.10	1		05/13/10 14:25		2c
<b>9034 Sulfide Water</b>		Analytical Method: EPA 9034						
Sulfide	ND	mg/L	1.0	1		05/12/10 23:40		
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	109	mg/L	6.0	2		05/12/10 20:53	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: HD Sump-Sed Lab ID: 3027322025 Collected: 05/07/10 12:10 Received: 05/08/10 09:07 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	17800	mg/kg	47.5	1	05/10/10 11:35	05/11/10 14:14	7429-90-5	
Antimony	2.4	mg/kg	2.4	1	05/10/10 11:35	05/11/10 14:14	7440-36-0	
Arsenic	23.8	mg/kg	2.4	1	05/10/10 11:35	05/11/10 14:14	7440-38-2	
Barium	3220	mg/kg	9.5	1	05/10/10 11:35	05/11/10 14:14	7440-39-3	
Beryllium	ND	mg/kg	0.95	1	05/10/10 11:35	05/11/10 14:14	7440-41-7	
Boron	ND	mg/kg	23.7	1	05/10/10 11:35	05/11/10 14:14	7440-42-8	
Cadmium	ND	mg/kg	0.95	1	05/10/10 11:35	05/11/10 14:14	7440-43-9	
Calcium	7220	mg/kg	949	1	05/10/10 11:35	05/11/10 14:14	7440-70-2	
Chromium	24.1	mg/kg	2.4	1	05/10/10 11:35	05/11/10 14:14	7440-47-3	
Cobalt	14.4	mg/kg	4.7	1	05/10/10 11:35	05/11/10 14:14	7440-48-4	
Copper	39.5	mg/kg	4.7	1	05/10/10 11:35	05/11/10 14:14	7440-50-8	
Iron	28200	mg/kg	47.5	1	05/10/10 11:35	05/11/10 14:14	7439-89-6	
Lead	55.7	mg/kg	2.4	1	05/10/10 11:35	05/11/10 14:14	7439-92-1	
Magnesium	3230	mg/kg	237	1	05/10/10 11:35	05/11/10 14:14	7439-95-4	
Manganese	3310	mg/kg	4.7	1	05/10/10 11:35	05/11/10 14:14	7439-96-5	
Molybdenum	ND	mg/kg	9.5	1	05/10/10 11:35	05/11/10 14:14	7439-98-7	
Nickel	24.2	mg/kg	9.5	1	05/10/10 11:35	05/11/10 14:14	7440-02-0	
Potassium	2060	mg/kg	237	1	05/10/10 11:35	05/11/10 14:14	7440-09-7	
Selenium	ND	mg/kg	2.4	1	05/10/10 11:35	05/11/10 14:14	7782-49-2	
Silver	1.1	mg/kg	0.95	1	05/10/10 11:35	05/11/10 14:14	7440-22-4	
Sodium	ND	mg/kg	2370	1	05/10/10 11:35	05/11/10 14:14	7440-23-5	
Thallium	ND	mg/kg	9.5	1	05/10/10 11:35	05/11/10 14:14	7440-28-0	
Vanadium	35.3	mg/kg	4.7	1	05/10/10 11:35	05/11/10 14:14	7440-62-2	
Zinc	118	mg/kg	4.7	1	05/10/10 11:35	05/11/10 14:14	7440-66-6	
<b>7471 Mercury</b> Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.57	1	05/10/10 14:37	05/11/10 10:35	7439-97-6	
<b>8260 MSV 5030 Low Level</b> Analytical Method: EPA 8260								
Acetone	1590	ug/kg	75.2	1		05/12/10 14:57	67-64-1	
Benzene	ND	ug/kg	37.6	1		05/12/10 14:57	71-43-2	
Bromochloromethane	ND	ug/kg	37.6	1		05/12/10 14:57	74-97-5	
Bromodichloromethane	ND	ug/kg	37.6	1		05/12/10 14:57	75-27-4	
Bromoform	ND	ug/kg	37.6	1		05/12/10 14:57	75-25-2	
Bromomethane	ND	ug/kg	37.6	1		05/12/10 14:57	74-83-9	
TOTAL BTEX	ND	ug/kg	226	1		05/12/10 14:57		
2-Butanone (MEK)	115	ug/kg	75.2	1		05/12/10 14:57	78-93-3	
n-Butylbenzene	ND	ug/kg	37.6	1		05/12/10 14:57	104-51-8	
sec-Butylbenzene	ND	ug/kg	37.6	1		05/12/10 14:57	135-98-8	
Carbon disulfide	104	ug/kg	37.6	1		05/12/10 14:57	75-15-0	
Carbon tetrachloride	ND	ug/kg	37.6	1		05/12/10 14:57	56-23-5	
Chlorobenzene	ND	ug/kg	37.6	1		05/12/10 14:57	108-90-7	
Chloroethane	ND	ug/kg	37.6	1		05/12/10 14:57	75-00-3	
Chloroform	ND	ug/kg	37.6	1		05/12/10 14:57	67-66-3	
Chloromethane	ND	ug/kg	37.6	1		05/12/10 14:57	74-87-3	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Sump-Sed Lab ID: 3027322025 Collected: 05/07/10 12:10 Received: 05/08/10 09:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/kg	37.6	1		05/12/10 14:57	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	37.6	1		05/12/10 14:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	37.6	1		05/12/10 14:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	37.6	1		05/12/10 14:57	106-46-7	
1,1-Dichloroethane	ND	ug/kg	37.6	1		05/12/10 14:57	75-34-3	
1,2-Dichloroethane	ND	ug/kg	37.6	1		05/12/10 14:57	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	75.2	1		05/12/10 14:57	540-59-0	
1,1-Dichloroethene	ND	ug/kg	37.6	1		05/12/10 14:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	37.6	1		05/12/10 14:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	37.6	1		05/12/10 14:57	156-60-5	
1,2-Dichloropropane	ND	ug/kg	37.6	1		05/12/10 14:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	37.6	1		05/12/10 14:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	37.6	1		05/12/10 14:57	10061-02-6	
Ethylbenzene	ND	ug/kg	37.6	1		05/12/10 14:57	100-41-4	
2-Hexanone	ND	ug/kg	75.2	1		05/12/10 14:57	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	37.6	1		05/12/10 14:57	98-82-8	
Isopropyltoluene	ND	ug/kg	37.6	1		05/12/10 14:57	99-87-6	
Ethylene Chloride	ND	ug/kg	37.6	1		05/12/10 14:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	75.2	1		05/12/10 14:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	37.6	1		05/12/10 14:57	1634-04-4	
Naphthalene	ND	ug/kg	37.6	1		05/12/10 14:57	91-20-3	
n-Propylbenzene	ND	ug/kg	37.6	1		05/12/10 14:57	103-65-1	
Styrene	ND	ug/kg	37.6	1		05/12/10 14:57	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	37.6	1		05/12/10 14:57	79-34-5	
Tetrachloroethene	ND	ug/kg	37.6	1		05/12/10 14:57	127-18-4	
Toluene	ND	ug/kg	37.6	1		05/12/10 14:57	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	37.6	1		05/12/10 14:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	37.6	1		05/12/10 14:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	37.6	1		05/12/10 14:57	79-00-5	
Trichloroethene	ND	ug/kg	37.6	1		05/12/10 14:57	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	37.6	1		05/12/10 14:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	37.6	1		05/12/10 14:57	108-67-8	
Vinyl chloride	ND	ug/kg	37.6	1		05/12/10 14:57	75-01-4	
Xylene (Total)	ND	ug/kg	113	1		05/12/10 14:57	1330-20-7	
m&p-Xylene	ND	ug/kg	75.2	1		05/12/10 14:57	179601-23-1	
o-Xylene	ND	ug/kg	37.6	1		05/12/10 14:57	95-47-6	
Toluene-d8 (S)	110	%	70-130	1		05/12/10 14:57	2037-26-5	
4-Bromofluorobenzene (S)	123	%	70-130	1		05/12/10 14:57	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	1		05/12/10 14:57	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	82.7	%	0.10	1		05/12/10 14:28		
<b>9034 Sulfide</b>		Analytical Method: EPA 9034						
Sulfide	ND	mg/kg	57.9	1		05/12/10 19:50		

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD Sump-Sed Lab ID: 3027322026 Collected: 05/07/10 12:10 Received: 05/08/10 09:07 Matrix: Water  
ASTM

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>	Analytical Method: SM 5540C							
Surfactants	ND	mg/L	0.10	1		05/13/10 14:25		3c
<b>4500 Chloride</b>	Analytical Method: SM 4500-Cl-E							
Chloride	5.2	mg/L	3.0	1		05/12/10 20:34	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: HD-Sed Lab ID: 3027322027 Collected: 05/07/10 13:10 Received: 05/08/10 09:07 Matrix: Solid  
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3050								
Aluminum	16200	mg/kg	9.7	1	05/10/10 11:35	05/11/10 15:20	7429-90-5	
Antimony	ND	mg/kg	0.48	1	05/10/10 11:35	05/11/10 15:20	7440-36-0	
Arsenic	21.6	mg/kg	0.48	1	05/10/10 11:35	05/11/10 15:20	7440-38-2	
Barium	145	mg/kg	1.9	1	05/10/10 11:35	05/11/10 15:20	7440-39-3	
Beryllium	0.67	mg/kg	0.19	1	05/10/10 11:35	05/11/10 15:20	7440-41-7	
Boron	7.8	mg/kg	4.8	1	05/10/10 11:35	05/11/10 15:20	7440-42-8	
Cadmium	ND	mg/kg	0.19	1	05/10/10 11:35	05/11/10 15:20	7440-43-9	
Calcium	2130	mg/kg	194	1	05/10/10 11:35	05/11/10 15:20	7440-70-2	
Chromium	18.1	mg/kg	0.48	1	05/10/10 11:35	05/11/10 15:20	7440-47-3	
Cobalt	9.7	mg/kg	0.97	1	05/10/10 11:35	05/11/10 15:20	7440-48-4	
Copper	23.2	mg/kg	0.97	1	05/10/10 11:35	05/11/10 15:20	7440-50-8	
Iron	23600	mg/kg	9.7	1	05/10/10 11:35	05/11/10 15:20	7439-89-6	
Lead	50.2	mg/kg	0.48	1	05/10/10 11:35	05/11/10 15:20	7439-92-1	
Magnesium	3800	mg/kg	48.4	1	05/10/10 11:35	05/11/10 15:20	7439-95-4	
Manganese	891	mg/kg	0.97	1	05/10/10 11:35	05/11/10 15:20	7439-96-5	
Molybdenum	ND	mg/kg	1.9	1	05/10/10 11:35	05/11/10 15:20	7439-98-7	
Nickel	19.2	mg/kg	1.9	1	05/10/10 11:35	05/11/10 15:20	7440-02-0	
Potassium	1470	mg/kg	48.4	1	05/10/10 11:35	05/11/10 15:20	7440-09-7	
Selenium	0.52	mg/kg	0.48	1	05/10/10 11:35	05/11/10 15:20	7782-49-2	
Silver	0.37	mg/kg	0.19	1	05/10/10 11:35	05/11/10 15:20	7440-22-4	
Sodium	ND	mg/kg	484	1	05/10/10 11:35	05/11/10 15:20	7440-23-5	
Thallium	ND	mg/kg	1.9	1	05/10/10 11:35	05/11/10 15:20	7440-28-0	
Vanadium	20.2	mg/kg	0.97	1	05/10/10 11:35	05/11/10 15:20	7440-62-2	
Zinc	121	mg/kg	0.97	1	05/10/10 11:35	05/11/10 15:20	7440-66-6	

### 7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	ND	mg/kg	0.13	1	05/10/10 14:37	05/11/10 10:37	7439-97-6	
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### 8260 MSV 5030 Low Level

Analytical Method: EPA 8260

Acetone	506	ug/kg	15.0	1	05/10/10 16:02	67-64-1
Benzene	ND	ug/kg	7.5	1	05/10/10 16:02	71-43-2
Bromochloromethane	ND	ug/kg	7.5	1	05/10/10 16:02	74-97-5
Bromodichloromethane	ND	ug/kg	7.5	1	05/10/10 16:02	75-27-4
Bromoform	ND	ug/kg	7.5	1	05/10/10 16:02	75-25-2
Bromomethane	ND	ug/kg	7.5	1	05/10/10 16:02	74-83-9
TOTAL BTEX	ND	ug/kg	45.1	1	05/10/10 16:02	
2-Butanone (MEK)	43.3	ug/kg	15.0	1	05/10/10 16:02	78-93-3
n-Butylbenzene	ND	ug/kg	7.5	1	05/10/10 16:02	104-51-8
sec-Butylbenzene	ND	ug/kg	7.5	1	05/10/10 16:02	135-98-8
Carbon disulfide	ND	ug/kg	7.5	1	05/10/10 16:02	75-15-0
Carbon tetrachloride	ND	ug/kg	7.5	1	05/10/10 16:02	56-23-5
Chlorobenzene	ND	ug/kg	7.5	1	05/10/10 16:02	108-90-7
Chloroethane	ND	ug/kg	7.5	1	05/10/10 16:02	75-00-3
Chloroform	ND	ug/kg	7.5	1	05/10/10 16:02	67-66-3
Chloromethane	ND	ug/kg	7.5	1	05/10/10 16:02	74-87-3

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: HD-Sed Lab ID: 3027322027 Collected: 05/07/10 13:10 Received: 05/08/10 09:07 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV 5030 Low Level</b>		Analytical Method: EPA 8260						
Dibromochloromethane	ND	ug/kg	7.5	1		05/10/10 16:02	124-48-1	
1,2-Dichlorobenzene	ND	ug/kg	7.5	1		05/10/10 16:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	7.5	1		05/10/10 16:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	7.5	1		05/10/10 16:02	106-46-7	
1,1-Dichloroethane	ND	ug/kg	7.5	1		05/10/10 16:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	7.5	1		05/10/10 16:02	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	15.0	1		05/10/10 16:02	540-59-0	
1,1-Dichloroethene	ND	ug/kg	7.5	1		05/10/10 16:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	7.5	1		05/10/10 16:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	7.5	1		05/10/10 16:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	7.5	1		05/10/10 16:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	7.5	1		05/10/10 16:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	7.5	1		05/10/10 16:02	10061-02-6	
Ethylbenzene	ND	ug/kg	7.5	1		05/10/10 16:02	100-41-4	
2-Hexanone	ND	ug/kg	15.0	1		05/10/10 16:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	7.5	1		05/10/10 16:02	98-82-8	
p-Isopropyltoluene	ND	ug/kg	7.5	1		05/10/10 16:02	99-87-6	
Methylene Chloride	ND	ug/kg	7.5	1		05/10/10 16:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	15.0	1		05/10/10 16:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	7.5	1		05/10/10 16:02	1634-04-4	
Naphthalene	ND	ug/kg	7.5	1		05/10/10 16:02	91-20-3	
n-Propylbenzene	ND	ug/kg	7.5	1		05/10/10 16:02	103-65-1	
Styrene	ND	ug/kg	7.5	1		05/10/10 16:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	7.5	1		05/10/10 16:02	79-34-5	
Tetrachloroethene	ND	ug/kg	7.5	1		05/10/10 16:02	127-18-4	
Toluene	ND	ug/kg	7.5	1		05/10/10 16:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	7.5	1		05/10/10 16:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	7.5	1		05/10/10 16:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	7.5	1		05/10/10 16:02	79-00-5	
Trichloroethene	ND	ug/kg	7.5	1		05/10/10 16:02	79-01-6	
1,2,4-Trimethylbenzene	ND	ug/kg	7.5	1		05/10/10 16:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	7.5	1		05/10/10 16:02	108-67-8	
Vinyl chloride	ND	ug/kg	7.5	1		05/10/10 16:02	75-01-4	
Xylene (Total)	ND	ug/kg	22.5	1		05/10/10 16:02	1330-20-7	
m&p-Xylene	ND	ug/kg	15.0	1		05/10/10 16:02	179601-23-1	
o-Xylene	ND	ug/kg	7.5	1		05/10/10 16:02	95-47-6	
Toluene-d8 (S)	97 %		70-130	1		05/10/10 16:02	2037-26-5	
4-Bromofluorobenzene (S)	126 %		70-130	1		05/10/10 16:02	460-00-4	
1,2-Dichloroethane-d4 (S)	126 %		70-130	1		05/10/10 16:02	17060-07-0	

### Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture 22.9 % 0.10 1 05/12/10 14:26

### 9034 Sulfide

Analytical Method: EPA 9034

Sulfide ND mg/kg 13.0 1 05/12/10 19:50

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### ANALYTICAL RESULTS

Project. [REDACTED] 2H/4H 39938634.00017

Pace Project No.: 3027322

Sample: [REDACTED] HD-Sed ASTM		Lab ID: 3027322028	Collected: 05/07/10 13:10	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>5540C MBAS Surfactants</b>		Analytical Method: SM 5540C						
Surfactants	ND mg/L		0.10	1		05/13/10 14:25		3c
<b>4500 Chloride</b>		Analytical Method: SM 4500-Cl-E						
Chloride	ND mg/L		3.0	1		05/12/10 20:35	16887-00-6	

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## ANALYTICAL RESULTS

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Sample: TB-01		Lab ID: 3027322029	Collected: 05/07/10 00:00	Received: 05/08/10 09:07	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/10/10 14:42	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/10/10 14:42	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/10/10 14:42	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/10/10 14:42	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/10/10 14:42	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/10/10 14:42	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/10/10 14:42	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/10/10 14:42	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/10/10 14:42	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		05/10/10 14:42	540-59-0	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/10/10 14:42	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/10/10 14:42	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/10/10 14:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/10/10 14:42	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		05/10/10 14:42	78-93-3	
2-Hexanone	ND	ug/L	10.0	1		05/10/10 14:42	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		05/10/10 14:42	108-10-1	
Acetone	ND	ug/L	10.0	1		05/10/10 14:42	67-64-1	
Benzene	ND	ug/L	1.0	1		05/10/10 14:42	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		05/10/10 14:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/10/10 14:42	75-27-4	
Bromoform	ND	ug/L	1.0	1		05/10/10 14:42	75-25-2	
Bromomethane	ND	ug/L	1.0	1		05/10/10 14:42	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		05/10/10 14:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/10/10 14:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/10/10 14:42	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/10/10 14:42	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/10/10 14:42	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/10/10 14:42	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/10/10 14:42	124-48-1	
Ethylbenzene	ND	ug/L	1.0	1		05/10/10 14:42	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/10/10 14:42	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/10/10 14:42	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		05/10/10 14:42	75-09-2	
Naphthalene	ND	ug/L	2.0	1		05/10/10 14:42	91-20-3	
Styrene	ND	ug/L	1.0	1		05/10/10 14:42	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/10/10 14:42	127-18-4	
Toluene	ND	ug/L	1.0	1		05/10/10 14:42	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/10/10 14:42	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/10/10 14:42	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/10/10 14:42	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/10/10 14:42	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/10/10 14:42	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/10/10 14:42	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/10/10 14:42	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/10/10 14:42	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/10/10 14:42	95-47-6	

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## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H 39938634.00017

Pace Project No.: 3027322

<b>Sample: TB-01</b>		<b>Lab ID: 3027322029</b>	Collected: 05/07/10 00:00		Received: 05/08/10 09:07	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND ug/L		1.0	1		05/10/10 14:42	99-87-6	
sec-Butylbenzene	ND ug/L		1.0	1		05/10/10 14:42	135-98-8	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		05/10/10 14:42	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		05/10/10 14:42	10061-02-6	
4-Bromofluorobenzene (S)	98 %		70-130	1		05/10/10 14:42	460-00-4	
1,2-Dichloroethane-d4 (S)	104 %		70-130	1		05/10/10 14:42	17060-07-0	
Toluene-d8 (S)	97 %		70-130	1		05/10/10 14:42	2037-26-5	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634 00017  
Pace Project No.: 3027322

QC Batch: MPRP/3813 Analysis Method: EPA 6010B  
QC Batch Method: EPA 3050 Analysis Description: 6010 MET  
Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

METHOD BLANK: 167992 Matrix: Solid  
Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	mg/kg	ND	10.0	05/11/10 12:57	
Antimony	mg/kg	ND	0.50	05/11/10 12:57	
Arsenic	mg/kg	ND	0.50	05/11/10 12:57	
Barium	mg/kg	ND	2.0	05/11/10 12:57	
Beryllium	mg/kg	ND	0.20	05/11/10 12:57	
Boron	mg/kg	ND	5.0	05/11/10 12:57	
Cadmium	mg/kg	ND	0.20	05/11/10 12:57	
Calcium	mg/kg	ND	200	05/11/10 12:57	
Chromium	mg/kg	ND	0.50	05/11/10 12:57	
Cobalt	mg/kg	ND	1.0	05/11/10 12:57	
Copper	mg/kg	ND	1.0	05/11/10 12:57	
Iron	mg/kg	ND	10.0	05/11/10 12:57	
Lead	mg/kg	ND	0.50	05/11/10 12:57	
Magnesium	mg/kg	ND	50.0	05/11/10 12:57	
Manganese	mg/kg	ND	1.0	05/11/10 12:57	
Molybdenum	mg/kg	ND	2.0	05/11/10 12:57	
Nickel	mg/kg	ND	2.0	05/11/10 12:57	
Potassium	mg/kg	ND	50.0	05/11/10 12:57	
Selenium	mg/kg	ND	0.50	05/11/10 12:57	
Silver	mg/kg	ND	0.20	05/11/10 12:57	
Sodium	mg/kg	ND	500	05/11/10 12:57	
Thallium	mg/kg	ND	2.0	05/11/10 12:57	
Vanadium	mg/kg	ND	1.0	05/11/10 12:57	
Zinc	mg/kg	ND	1.0	05/11/10 12:57	

LABORATORY CONTROL SAMPLE: 167993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	500	462	92	80-120	
Antimony	mg/kg	50	46.9	94	80-120	
Arsenic	mg/kg	50	44.5	89	80-120	
Barium	mg/kg	50	49.7	99	80-120	
Beryllium	mg/kg	50	47.8	96	80-120	
Boron	mg/kg	50	44.4	89	80-120	
Cadmium	mg/kg	50	47.9	96	80-120	
Calcium	mg/kg	500	448	90	80-120	
Chromium	mg/kg	50	48.8	98	80-120	
Cobalt	mg/kg	50	48.0	96	80-120	
Copper	mg/kg	50	51.1	102	80-120	
Iron	mg/kg	500	463	93	80-120	
Lead	mg/kg	50	47.2	94	80-120	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

LABORATORY CONTROL SAMPLE: 167993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	mg/kg	500	446	89	80-120	
Manganese	mg/kg	50	48.3	97	80-120	
Molybdenum	mg/kg	50	48.0	96	80-120	
Nickel	mg/kg	50	48.2	96	80-120	
Potassium	mg/kg	500	431	86	80-120	
Selenium	mg/kg	50	42.1	84	80-120	
Silver	mg/kg	25	25.0	100	80-120	
Sodium	mg/kg	500	469J	94	80-120	
Thallium	mg/kg	50	50.2	100	80-120	
Vanadium	mg/kg	50	48.7	97	80-120	
Zinc	mg/kg	50	45.8	92	80-120	

MATRIX SPIKE SAMPLE: 167995

Parameter	Units	3027328001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/kg	15700	390	17500	471	80-120	M1
Antimony	mg/kg	0.61	39	15.0	37	80-120	M1
Asenic	mg/kg	4.7	39	38.1	85	80-120	
Barium	mg/kg	140	39	167	69	80-120	M1
Beryllium	mg/kg	0.99	39	36.0	90	80-120	
Boron	mg/kg	8.7	39	37.9	75	80-120	M1
Cadmium	mg/kg	ND	39	34.3	88	80-120	
Calcium	mg/kg	1210	390	1550	87	80-120	
Chromium	mg/kg	17.1	39	53.6	93	80-120	
Cobalt	mg/kg	12.7	39	48.2	91	80-120	
Copper	mg/kg	17.1	39	51.3	87	80-120	
Iron	mg/kg	23700	390	20700	-778	80-120	M1
Lead	mg/kg	15.7	39	48.3	84	80-120	
Magnesium	mg/kg	2150	390	2440	73	80-120	M1
Manganese	mg/kg	280	39	391	284	80-120	M1
Molybdenum	mg/kg	ND	39	34.4	87	80-120	
Nickel	mg/kg	21.6	39	55.6	87	80-120	
Potassium	mg/kg	1370	390	1830	118	80-120	
Selenium	mg/kg	0.54	39	31.2	79	80-120	M1
Silver	mg/kg	0.36	19.5	18.7	94	80-120	
Sodium	mg/kg	ND	390	606	90	80-120	
Thallium	mg/kg	ND	39	36.1	93	80-120	
Vanadium	mg/kg	27.7	39	64.4	94	80-120	
Zinc	mg/kg	56.2	39	90.3	87	80-120	

SAMPLE DUPLICATE: 167994

Parameter	Units	3027328001 Result	Dup Result	RPD	Qualifiers
Aluminum	mg/kg	15700	14300	9	
Antimony	mg/kg	0.61	ND		

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

SAMPLE DUPLICATE: 157994

Parameter	Units	3027328001 Result	Dup Result	RPD	Qualifiers
Arsenic	mg/kg	4.7	5.7	19	
Barium	mg/kg	140	131	7	
Beryllium	mg/kg	0.99	0.82	18	
Boron	mg/kg	8.7	8.3	5	
Cadmium	mg/kg	ND	ND		
Calcium	mg/kg	1210	1280	5	
Chromium	mg/kg	17.1	16.7	3	
Cobalt	mg/kg	12.7	12.8	.2	
Copper	mg/kg	17.1	12.9	28	R1
Iron	mg/kg	23700	21500	10	
Lead	mg/kg	15.7	14.4	9	
Magnesium	mg/kg	2150	1950	10	
Manganese	mg/kg	280	290	3	
Molybdenum	mg/kg	ND	ND		
Nickel	mg/kg	21.6	19.5	10	
Potassium	mg/kg	1370	1090	23	R1
Selenium	mg/kg	0.54	.32J		
Silver	mg/kg	0.36	0.47	26	R1
Sodium	mg/kg	ND	239J		
Thallium	mg/kg	ND	ND		
Vanadium	mg/kg	27.7	27.0	3	
Zinc	mg/kg	56.2	52.9	6	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: MPRP/3816 Analysis Method: EPA 6010B  
QC Batch Method: EPA 3005 Analysis Description: 6010 MET  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK: 168017 Matrix: Water  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	50.0	05/13/10 11:02	
Antimony	ug/L	ND	5.0	05/13/10 11:02	
Arsenic	ug/L	ND	5.0	05/13/10 11:02	
Barium	ug/L	ND	10.0	05/13/10 11:02	
Beryllium	ug/L	ND	1.0	05/13/10 11:02	
Boron	ug/L	ND	50.0	05/13/10 11:02	
Cadmium	ug/L	ND	1.0	05/13/10 11:02	
Calcium	ug/L	ND	1000	05/13/10 11:02	
Chromium	ug/L	ND	5.0	05/13/10 11:02	
Cobalt	ug/L	ND	5.0	05/13/10 11:02	
Copper	ug/L	ND	5.0	05/13/10 11:02	
Iron	ug/L	ND	50.0	05/13/10 11:02	
Lead	ug/L	ND	2.0	05/13/10 11:02	
Magnesium	ug/L	ND	200	05/13/10 11:02	
Manganese	ug/L	ND	5.0	05/13/10 11:02	
Molybdenum	ug/L	ND	20.0	05/13/10 11:02	
Nickel	ug/L	ND	10.0	05/13/10 11:02	
Potassium	ug/L	ND	500	05/13/10 11:02	
Selenium	ug/L	ND	5.0	05/13/10 11:02	
Silver	ug/L	ND	1.0	05/13/10 11:02	
Sodium	ug/L	ND	1000	05/13/10 11:02	
Thallium	ug/L	ND	10.0	05/13/10 11:02	
Vanadium	ug/L	ND	5.0	05/13/10 11:02	
Zinc	ug/L	ND	10.0	05/13/10 11:02	

LABORATORY CONTROL SAMPLE: 168018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	5040	101	80-120	
Antimony	ug/L	500	497	99	80-120	
Arsenic	ug/L	500	508	102	80-120	
Barium	ug/L	500	517	103	80-120	
Beryllium	ug/L	500	509	102	80-120	
Boron	ug/L	500	497	99	80-120	
Cadmium	ug/L	500	510	102	80-120	
Calcium	ug/L	5000	4980	100	80-120	
Chromium	ug/L	500	508	101	80-120	
Cobalt	ug/L	500	505	101	80-120	
Copper	ug/L	500	517	103	80-120	
Iron	ug/L	5000	5030	101	80-120	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

LABORATORY CONTROL SAMPLE: 168018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	500	501	100	80-120	
Magnesium	ug/L	5000	4990	100	80-120	
Manganese	ug/L	500	505	101	80-120	
Molybdenum	ug/L	500	504	101	80-120	
Nickel	ug/L	500	509	102	80-120	
Potassium	ug/L	5000	4820	96	80-120	
Selenium	ug/L	500	499	100	80-120	
Silver	ug/L	250	251	100	80-120	
Sodium	ug/L	5000	4810	96	80-120	
Thallium	ug/L	500	527	105	80-120	
Vanadium	ug/L	500	502	100	80-120	
Zinc	ug/L	500	500	100	80-120	

MATRIX SPIKE SAMPLE: 168020

Parameter	Units	3027322011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	2360	5000	7240	97	75-125	
Antimony	ug/L	ND	500	465	93	75-125	
Arsenic	ug/L	7.5	500	485	95	75-125	
Barium	ug/L	170	500	637	93	75-125	
Beryllium	ug/L	ND	500	487	97	75-125	
Boron	ug/L	ND	500	503	94	75-125	
Cadmium	ug/L	ND	500	474	95	75-125	
Calcium	ug/L	33200	5000	36300	61	75-125 M1	
Chromium	ug/L	ND	500	483	96	75-125	
Cobalt	ug/L	ND	500	476	95	75-125	
Copper	ug/L	ND	500	485	96	75-125	
Iron	ug/L	2990	5000	7540	91	75-125	
Lead	ug/L	3.2	500	475	94	75-125	
Magnesium	ug/L	7160	5000	11500	86	75-125	
Manganese	ug/L	741	500	1180	87	75-125	
Molybdenum	ug/L	ND	500	478	95	75-125	
Nickel	ug/L	ND	500	474	95	75-125	
Potassium	ug/L	3850	5000	8740	98	75-125	
Selenium	ug/L	ND	500	475	95	75-125	
Silver	ug/L	ND	250	240	96	75-125	
Sodium	ug/L	82700	5000	84200	31	75-125 M1	
Thallium	ug/L	ND	500	504	101	75-125	
Vanadium	ug/L	ND	500	482	96	75-125	
Zinc	ug/L	28.6	500	498	94	75-125	

MATRIX SPIKE SAMPLE: 168022

Parameter	Units	3027290001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	ND	5000	5380	108	75-125	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

MATRIX SPIKE SAMPLE: 168022		3027290001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Antimony	ug/L	ND	500	509	102	75-125	
Arsenic	ug/L	ND	500	528	106	75-125	
Barium	ug/L	401	500	892	98	75-125	
Beryllium	ug/L	ND	500	453	91	75-125	
Boron	ug/L	768	500	1270	100	75-125	
Cadmium	ug/L	1.4	500	457	91	75-125	
Calcium	ug/L	2040000	5000	1970000	-1530	75-125 M1	
Chromium	ug/L	501	500	958	91	75-125	
Cobalt	ug/L	ND	500	461	92	75-125	
Copper	ug/L	ND	500	535	106	75-125	
Iron	ug/L	60.8	5000	4640	92	75-125	
Lead	ug/L	2.3	500	487	97	75-125	
Magnesium	ug/L	137000	5000	137000	3	75-125 M1	
Manganese	ug/L	ND	500	481	96	75-125	
Molybdenum	ug/L	11500	500	11600	28	75-125 M1	
Nickel	ug/L	ND	500	456	91	75-125	
Potassium	ug/L	231000	5000	233000	26	75-125 M1	
Selenium	ug/L	28.6	500	545	103	75-125	
Silver	ug/L	ND	250	263	105	75-125	
Sodium	ug/L	159000	5000	162000	67	75-125 M1	
Thallium	ug/L	ND	500	530	105	75-125	
Vanadium	ug/L	11.0	500	501	98	75-125	
Zinc	ug/L	16.7	500	443	85	75-125	

SAMPLE DUPLICATE: 168019

Parameter	Units	3027322011	Dup	RPD	Qualifiers
		Result	Result		
Aluminum	ug/L	2360	2250	5	
Antimony	ug/L	ND	ND		
Arsenic	ug/L	7.5	5.6	30 R1	
Barium	ug/L	170	169	.6	
Beryllium	ug/L	ND	ND		
Boron	ug/L	ND	29.6J		
Cadmium	ug/L	ND	ND		
Calcium	ug/L	33200	33500	.7	
Chromium	ug/L	ND	3.3J		
Cobalt	ug/L	ND	2J		
Copper	ug/L	ND	5.6		
Iron	ug/L	2990	3120	4	
Lead	ug/L	3.2	5.8	59 R1	
Magnesium	ug/L	7160	7250	1	
Manganese	ug/L	741	752	1	
Molybdenum	ug/L	ND	ND		
Nickel	ug/L	ND	ND		
Potassium	ug/L	3850	3780	2	
Selenium	ug/L	ND	ND		
Silver	ug/L	ND	ND		

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

SAMPLE DUPLICATE: 168019

Parameter	Units	3027322011 Result	Dup Result	RPD	Qualifiers
Sodium	ug/L	82700	82700	.04	
Thallium	ug/L	ND	ND		
Vanadium	ug/L	ND	2.8J		
Zinc	ug/L	28.6	31.0	8	

SAMPLE DUPLICATE: 168021

Parameter	Units	3027290001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	ND	ND		
Antimony	ug/L	ND	ND		
Arsenic	ug/L	ND	ND		
Barium	ug/L	401	403	.3	
Beryllium	ug/L	ND	ND		
Boron	ug/L	766	769	.4	
Cadmium	ug/L	1.4	1.1	25 R1	
Calcium	ug/L	2040000	2030000	.7	
Chromium	ug/L	501	499	.4	
Cobalt	ug/L	ND	ND		
Copper	ug/L	ND	4.3J		
Iron	ug/L	60.8	58.0	5	
Lead	ug/L	2.3	2.0	13	
Magnesium	ug/L	137000	137000	.009	
Manganese	ug/L	ND	3.4J		
Molybdenum	ug/L	11500	11500	.4	
Nickel	ug/L	ND	ND		
Potassium	ug/L	231000	233000	.8	
Selenium	ug/L	28.6	25.7	11	
Silver	ug/L	ND	ND		
Sodium	ug/L	159000	159000	.3	
Thallium	ug/L	ND	ND		
Vanadium	ug/L	11.0	10.8	2	
Zinc	ug/L	16 7	10.8	42 R1	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: MPRP/3821 Analysis Method: EPA 6010  
QC Batch Method: EPA 3005 Analysis Description: 6010 MET Dissolved  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK: 168400 Matrix: Water  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	50.0	05/12/10 11:04	
Antimony, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Arsenic, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Barium, Dissolved	ug/L	ND	10.0	05/12/10 11:04	
Beryllium, Dissolved	ug/L	ND	1.0	05/12/10 11:04	
Boron, Dissolved	ug/L	ND	50.0	05/12/10 11:04	
Cadmium, Dissolved	ug/L	ND	1.0	05/12/10 11:04	
Calcium, Dissolved	ug/L	ND	1000	05/12/10 11:04	
Chromium, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Cobalt, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Copper, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Iron, Dissolved	ug/L	ND	50.0	05/12/10 11:04	
Lead, Dissolved	ug/L	ND	2.0	05/12/10 11:04	
Magnesium, Dissolved	ug/L	ND	200	05/12/10 11:04	
Manganese, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Molybdenum, Dissolved	ug/L	ND	20.0	05/12/10 11:04	
Nickel, Dissolved	ug/L	ND	10.0	05/12/10 11:04	
Potassium, Dissolved	ug/L	ND	500	05/12/10 11:04	
Selenium, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Silver, Dissolved	ug/L	ND	1.0	05/12/10 11:04	
Sodium, Dissolved	ug/L	ND	1000	05/12/10 11:04	
Thallium, Dissolved	ug/L	ND	10.0	05/12/10 11:04	
Vanadium, Dissolved	ug/L	ND	5.0	05/12/10 11:04	
Zinc, Dissolved	ug/L	ND	10.0	05/12/10 11:04	

LABORATORY CONTROL SAMPLE: 168401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	5000	4690	94	80-120	
Antimony, Dissolved	ug/L	500	489	98	80-120	
Arsenic, Dissolved	ug/L	500	490	98	80-120	
Barium, Dissolved	ug/L	500	501	100	80-120	
Beryllium, Dissolved	ug/L	500	505	101	80-120	
Boron, Dissolved	ug/L	500	493	99	80-120	
Cadmium, Dissolved	ug/L	500	501	100	80-120	
Calcium, Dissolved	ug/L	5000	4760	95	80-120	
Chromium, Dissolved	ug/L	500	499	100	80-120	
Cobalt, Dissolved	ug/L	500	496	99	80-120	
Copper, Dissolved	ug/L	500	496	99	80-120	
Iron, Dissolved	ug/L	5000	4860	97	80-120	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

LABORATORY CONTROL SAMPLE: 168401

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead, Dissolved	ug/L	500	499	100	80-120	
Magnesium, Dissolved	ug/L	5000	4740	95	80-120	
Manganese, Dissolved	ug/L	500	500	100	80-120	
Molybdenum, Dissolved	ug/L	500	506	101	80-120	
Nickel, Dissolved	ug/L	500	507	101	80-120	
Potassium, Dissolved	ug/L	5000	4540	91	80-120	
Selenium, Dissolved	ug/L	500	480	96	80-120	
Silver, Dissolved	ug/L	250	247	99	80-120	
Sodium, Dissolved	ug/L	5000	4370	87	80-120	
Thallium, Dissolved	ug/L	500	485	97	80-120	
Vanadium, Dissolved	ug/L	500	497	99	80-120	
Zinc, Dissolved	ug/L	500	496	99	80-120	

MATRIX SPIKE SAMPLE: 168403

Parameter	Units	3027322004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	ND	5000	4760	95	75-125	
Antimony, Dissolved	ug/L	ND	500	489	98	75-125	
Arsenic, Dissolved	ug/L	ND	500	479	96	75-125	
Barium, Dissolved	ug/L	75.7	500	560	97	75-125	
Beryllium, Dissolved	ug/L	ND	500	495	99	75-125	
Boron, Dissolved	ug/L	ND	500	507	99	75-125	
Cadmium, Dissolved	ug/L	ND	500	484	97	75-125	
Calcium, Dissolved	ug/L	14400	5000	18700	86	75-125	
Chromium, Dissolved	ug/L	ND	500	486	97	75-125	
Cobalt, Dissolved	ug/L	ND	500	484	97	75-125	
Copper, Dissolved	ug/L	ND	500	489	97	75-125	
Iron, Dissolved	ug/L	ND	5000	4860	96	75-125	
Lead, Dissolved	ug/L	ND	500	479	96	75-125	
Magnesium, Dissolved	ug/L	2940	5000	7590	93	75-125	
Manganese, Dissolved	ug/L	35.6	500	520	97	75-125	
Molybdenum, Dissolved	ug/L	ND	500	501	100	75-125	
Nickel, Dissolved	ug/L	ND	500	490	98	75-125	
Potassium, Dissolved	ug/L	2690	5000	7430	95	75-125	
Selenium, Dissolved	ug/L	ND	500	469	94	75-125	
Silver, Dissolved	ug/L	ND	250	251	100	75-125	
Sodium, Dissolved	ug/L	6290	5000	10900	91	75-125	
Thallium, Dissolved	ug/L	ND	500	484	97	75-125	
Vanadium, Dissolved	ug/L	ND	500	489	98	75-125	
Zinc, Dissolved	ug/L	ND	500	487	96	75-125	

SAMPLE DUPLICATE: 168402

Parameter	Units	3027322004 Result	Dup Result	RPD	Qualifiers
Aluminum, Dissolved	ug/L	ND	ND		

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H 39938634.00017  
Pace Project No.: 3027322

SAMPLE DUPLICATE: 168402

Parameter	Units	3027322004 Result	Dup Result	RPD	Qualifiers
Antimony, Dissolved	ug/L	ND	ND		
Arsenic, Dissolved	ug/L	ND	ND		
Barium, Dissolved	ug/L	75.7	69.7	8	
Beryllium, Dissolved	ug/L	ND	ND		
Boron, Dissolved	ug/L	ND	ND		
Cadmium, Dissolved	ug/L	ND	ND		
Calcium, Dissolved	ug/L	14400	13500	6	
Chromium, Dissolved	ug/L	ND	ND		
Cobalt, Dissolved	ug/L	ND	ND		
Copper, Dissolved	ug/L	ND	ND		
Iron, Dissolved	ug/L	ND	25.6J		
Lead, Dissolved	ug/L	ND	3.2		
Magnesium, Dissolved	ug/L	2940	2760	7	
Manganese, Dissolved	ug/L	35.6	33.0	7	
Molybdenum, Dissolved	ug/L	ND	ND		
Nickel, Dissolved	ug/L	ND	ND		
Potassium, Dissolved	ug/L	2690	2520	6	
Selenium, Dissolved	ug/L	ND	ND		
Silver, Dissolved	ug/L	ND	ND		
Sodium, Dissolved	ug/L	6290	5840	8	
Thallium, Dissolved	ug/L	ND	ND		
Vanadium, Dissolved	ug/L	ND	ND		
Zinc, Dissolved	ug/L	ND	5.2J		

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: MERP/1894 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK: 168280 Matrix: Water  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	05/12/10 07:24	

LABORATORY CONTROL SAMPLE: 168281

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	100	85-115	

MATRIX SPIKE SAMPLE: 168283

Parameter	Units	3027322001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.4	96	85-115	

MATRIX SPIKE SAMPLE: 168285

Parameter	Units	3027322023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.6	106	85-115	

SAMPLE DUPLICATE: 168282

Parameter	Units	3027322001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

SAMPLE DUPLICATE: 168284

Parameter	Units	3027322023 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: MERP/1895 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK: 168286 Matrix: Water  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	05/12/10 08:13	

LABORATORY CONTROL SAMPLE: 168287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	1	1.0	102	85-115	

MATRIX SPIKE SAMPLE: 168289

Parameter	Units	3027322001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	ND	2.5	2.7	108	75-125	

MATRIX SPIKE SAMPLE: 168291

Parameter	Units	3027322023 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	ND	2.5	2.4	94	75-125	

SAMPLE DUPLICATE: 168288

Parameter	Units	3027322001 Result	Dup Result	RPD	Qualifiers
Mercury, Dissolved	ug/L	ND	ND		

SAMPLE DUPLICATE: 168290

Parameter	Units	3027322023 Result	Dup Result	RPD	Qualifiers
Mercury, Dissolved	ug/L	ND	ND		



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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: MERP/1891 Analysis Method: EPA 7471  
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury  
Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

METHOD BLANK: 168123 Matrix: Solid  
Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.10	05/11/10 10:03	

LABORATORY CONTROL SAMPLE: 168124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.042	.042J	100	85-115	

MATRIX SPIKE SAMPLE: 168126

Parameter	Units	5037243001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	ND	.098	0.10	95	75-125	

SAMPLE DUPLICATE: 168125

Parameter	Units	5037243001 Result	Dup Result	RPD	Qualifiers
Mercury	mg/kg	ND	.0099J		

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CABOT-EPA 007020



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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: MSV/5777 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low  
Associated Lab Samples: 3027322005, 3027322007, 3027322016, 3027322018, 3027322027

METHOD BLANK: 168221 Matrix: Solid  
Associated Lab Samples: 3027322005, 3027322007, 3027322016, 3027322018, 3027322027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/10/10 11:36	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/10/10 11:36	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/10/10 11:36	
1,1-Dichloroethane	ug/kg	ND	5.0	05/10/10 11:36	
1,1-Dichloroethene	ug/kg	ND	5.0	05/10/10 11:36	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	05/10/10 11:36	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/10/10 11:36	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:36	
1,2-Dichloroethane	ug/kg	ND	5.0	05/10/10 11:36	
1,2-Dichloropropane	ug/kg	ND	5.0	05/10/10 11:36	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/10/10 11:36	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:36	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/10/10 11:36	
Butanone (MEK)	ug/kg	ND	10.0	05/10/10 11:36	
2-Hexanone	ug/kg	ND	10.0	05/10/10 11:36	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/10/10 11:36	
Acetone	ug/kg	ND	10.0	05/10/10 11:36	
Benzene	ug/kg	ND	5.0	05/10/10 11:36	
Bromochloromethane	ug/kg	ND	5.0	05/10/10 11:36	
Bromodichloromethane	ug/kg	ND	5.0	05/10/10 11:36	
Bromoform	ug/kg	ND	5.0	05/10/10 11:36	
Bromomethane	ug/kg	ND	5.0	05/10/10 11:36	
Carbon disulfide	ug/kg	ND	5.0	05/10/10 11:36	
Carbon tetrachloride	ug/kg	ND	5.0	05/10/10 11:36	
Chlorobenzene	ug/kg	ND	5.0	05/10/10 11:36	
Chloroethane	ug/kg	ND	5.0	05/10/10 11:36	
Chloroform	ug/kg	ND	5.0	05/10/10 11:36	
Chloromethane	ug/kg	ND	5.0	05/10/10 11:36	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/10/10 11:36	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/10/10 11:36	
Dibromochloromethane	ug/kg	ND	5.0	05/10/10 11:36	
Ethylbenzene	ug/kg	ND	5.0	05/10/10 11:36	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/10/10 11:36	
m&p-Xylene	ug/kg	ND	10.0	05/10/10 11:36	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/10/10 11:36	
Methylene Chloride	ug/kg	ND	5.0	05/10/10 11:36	
n-Butylbenzene	ug/kg	ND	5.0	05/10/10 11:36	
n-Propylbenzene	ug/kg	ND	5.0	05/10/10 11:36	
Naphthalene	ug/kg	ND	5.0	05/10/10 11:36	
o-Xylene	ug/kg	ND	5.0	05/10/10 11:36	
p-Isopropyltoluene	ug/kg	ND	5.0	05/10/10 11:36	
sec-Butylbenzene	ug/kg	ND	5.0	05/10/10 11:36	
Styrene	ug/kg	ND	5.0	05/10/10 11:36	

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(724)850-5600

### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

METHOD BLANK: 168221

Matrix: Solid

Associated Lab Samples: 3027322005, 3027322007, 3027322016, 3027322018, 3027322027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/kg	ND	5.0	05/10/10 11:36	
Toluene	ug/kg	ND	5.0	05/10/10 11:36	
TOTAL BTEX	ug/kg	ND	30.0	05/10/10 11:36	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/10/10 11:36	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/10/10 11:36	
Trichloroethene	ug/kg	ND	5.0	05/10/10 11:36	
Vinyl chloride	ug/kg	ND	5.0	05/10/10 11:36	
Xylene (Total)	ug/kg	ND	15.0	05/10/10 11:36	
1,2-Dichloroethane-d4 (S)	%	111	70-130	05/10/10 11:36	
4-Bromofluorobenzene (S)	%	98	70-130	05/10/10 11:36	
Toluene-d8 (S)	%	92	70-130	05/10/10 11:36	

LABORATORY CONTROL SAMPLE: 168222

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	20	21.7	108	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	20	16.7	84	70-130	
1,1,2-Trichloroethane	ug/kg	20	17.6	88	70-130	
1,1-Dichloroethane	ug/kg	20	22.2	111	70-130	
1,1-Dichloroethene	ug/kg	20	18.0	90	70-130	
1,2,4-Trichlorobenzene	ug/kg	20	16.3	82	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	17.7	89	70-130	
1,2-Dichlorobenzene	ug/kg	20	17.5	88	70-130	
1,2-Dichloroethane	ug/kg	20	21.5	107	70-130	
1,2-Dichloropropane	ug/kg	20	19.6	98	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	17.9	89	70-130	
1,3-Dichlorobenzene	ug/kg	20	17.7	88	70-130	
1,4-Dichlorobenzene	ug/kg	20	17.5	87	70-130	
2-Butanone (MEK)	ug/kg	20	19.3	96	70-130	
2-Hexanone	ug/kg	20	21.6	108	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	23.3	116	70-130	
Acetone	ug/kg	20	25.5	128	70-130	
Benzene	ug/kg	20	20.6	103	70-130	
Bromochloromethane	ug/kg	20	20.4	102	70-130	
Bromodichloromethane	ug/kg	20	20.3	102	70-130	
Bromoform	ug/kg	20	16.4	82	70-130	
Bromomethane	ug/kg	20	19.5	97	70-130	
Carbon disulfide	ug/kg	20	36.6	183	70-130 L0	
Carbon tetrachloride	ug/kg	20	21.7	109	70-130	
Chlorobenzene	ug/kg	20	18.2	91	70-130	
Chloroethane	ug/kg	20	20.3	102	70-130	
Chloroform	ug/kg	20	21.5	108	70-130	
Chloromethane	ug/kg	20	19.5	98	70-130	
cis-1,2-Dichloroethene	ug/kg	20	20.2	101	70-130	
cis-1,3-Dichloropropene	ug/kg	20	19.5	98	70-130	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H 39938634.00017  
Pace Project No.: 3027322

LABORATORY CONTROL SAMPLE. 168222

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/kg	20	17.4	87	70-130	
Ethylbenzene	ug/kg	20	18.6	93	70-130	
Isopropylbenzene (Cumene)	ug/kg	20	18.5	92	70-130	
m&p-Xylene	ug/kg	40	37.4	94	70-130	
Methyl-tert-butyl ether	ug/kg	20	22.7	114	70-130	
Methylene Chloride	ug/kg	20	17.2	86	70-130	
n-Butylbenzene	ug/kg	20	17.8	89	70-130	
n-Propylbenzene	ug/kg	20	17.9	89	70-130	
Naphthalene	ug/kg	20	16.4	82	70-130	
o-Xylene	ug/kg	20	18.6	93	70-130	
p-Isopropyltoluene	ug/kg	20	18.1	90	70-130	
sec-Butylbenzene	ug/kg	20	18.3	92	70-130	
Styrene	ug/kg	20	17.4	87	70-130	
Tetrachloroethene	ug/kg	20	19.1	96	70-130	
Toluene	ug/kg	20	18.5	93	70-130	
TOTAL BTEX	ug/kg		114			
trans-1,2-Dichloroethene	ug/kg	20	17.8	89	70-130	
trans-1,3-Dichloropropene	ug/kg	20	16.6	83	70-130	
chloroethene	ug/kg	20	21.0	105	70-130	
nyl chloride	ug/kg	20	20.2	101	70-130	
Xylene (Total)	ug/kg	60	56.0	93	70-130	
1,2-Dichloroethane-d4 (S)	%			111	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			92	70-130	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: MSV/5799 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035 Low  
Associated Lab Samples: 3027322012, 3027322014, 3027322025

METHOD BLANK: 169222 Matrix: Solid

Associated Lab Samples: 3027322012, 3027322014, 3027322025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	05/12/10 10:49	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	05/12/10 10:49	
1,1,2-Trichloroethane	ug/kg	ND	5.0	05/12/10 10:49	
1,1-Dichloroethane	ug/kg	ND	5.0	05/12/10 10:49	
1,1-Dichloroethene	ug/kg	ND	5.0	05/12/10 10:49	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	05/12/10 10:49	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	05/12/10 10:49	
1,2-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 10:49	
1,2-Dichloroethane	ug/kg	ND	5.0	05/12/10 10:49	
1,2-Dichloropropane	ug/kg	ND	5.0	05/12/10 10:49	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	05/12/10 10:49	
1,3-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 10:49	
1,4-Dichlorobenzene	ug/kg	ND	5.0	05/12/10 10:49	
2-Butanone (MEK)	ug/kg	ND	10.0	05/12/10 10:49	
2-Hexanone	ug/kg	ND	10.0	05/12/10 10:49	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	05/12/10 10:49	
Acetone	ug/kg	10.9	10.0	05/12/10 10:49	B,C9
Benzene	ug/kg	ND	5.0	05/12/10 10:49	
Bromochloromethane	ug/kg	ND	5.0	05/12/10 10:49	
Bromodichloromethane	ug/kg	ND	5.0	05/12/10 10:49	
Bromoform	ug/kg	ND	5.0	05/12/10 10:49	
Bromomethane	ug/kg	ND	5.0	05/12/10 10:49	
Carbon disulfide	ug/kg	ND	5.0	05/12/10 10:49	
Carbon tetrachloride	ug/kg	ND	5.0	05/12/10 10:49	
Chlorobenzene	ug/kg	ND	5.0	05/12/10 10:49	
Chloroethane	ug/kg	ND	5.0	05/12/10 10:49	
Chloroform	ug/kg	ND	5.0	05/12/10 10:49	
Chloromethane	ug/kg	ND	5.0	05/12/10 10:49	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	05/12/10 10:49	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	05/12/10 10:49	
Dibromochloromethane	ug/kg	ND	5.0	05/12/10 10:49	
Ethylbenzene	ug/kg	ND	5.0	05/12/10 10:49	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	05/12/10 10:49	
m&p-Xylene	ug/kg	ND	10.0	05/12/10 10:49	
Methyl-tert-butyl ether	ug/kg	ND	5.0	05/12/10 10:49	
Methylene Chloride	ug/kg	ND	5.0	05/12/10 10:49	
n-Butylbenzene	ug/kg	ND	5.0	05/12/10 10:49	
n-Propylbenzene	ug/kg	ND	5.0	05/12/10 10:49	
Naphthalene	ug/kg	ND	5.0	05/12/10 10:49	
o-Xylene	ug/kg	ND	5.0	05/12/10 10:49	
p-Isopropyltoluene	ug/kg	ND	5.0	05/12/10 10:49	
sec-Butylbenzene	ug/kg	ND	5.0	05/12/10 10:49	
Styrene	ug/kg	ND	5.0	05/12/10 10:49	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

METHOD BLANK: 169222

Matrix: Solid

Associated Lab Samples: 3027322012, 3027322014, 3027322025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/kg	ND	5.0	05/12/10 10:49	
Toluene	ug/kg	ND	5.0	05/12/10 10:49	
TOTAL BTEX	ug/kg	ND	30.0	05/12/10 10:49	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	05/12/10 10:49	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	05/12/10 10:49	
Trichloroethene	ug/kg	ND	5.0	05/12/10 10:49	
Vinyl chloride	ug/kg	ND	5.0	05/12/10 10:49	
Xylene (Total)	ug/kg	ND	15.0	05/12/10 10:49	
1,2-Dichloroethane-d4 (S)	%	95	70-130	05/12/10 10:49	
4-Bromofluorobenzene (S)	%	99	70-130	05/12/10 10:49	
Toluene-d8 (S)	%	99	70-130	05/12/10 10:49	

LABORATORY CONTROL SAMPLE: 169223

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Trichloroethane	ug/kg	20	19.4	97	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	20	19.5	98	70-130	
1,1,2-Trichloroethane	ug/kg	20	19.8	99	70-130	
1,1-Dichloroethane	ug/kg	20	19.6	98	70-130	
1,1-Dichloroethene	ug/kg	20	15.6	78	70-130	
1,2,4-Trichlorobenzene	ug/kg	20	19.1	95	70-130	
1,2,4-Trimethylbenzene	ug/kg	20	19.9	99	70-130	
1,2-Dichlorobenzene	ug/kg	20	19.7	99	70-130	
1,2-Dichloroethane	ug/kg	20	19.0	95	70-130	
1,2-Dichloropropane	ug/kg	20	20.0	100	70-130	
1,3,5-Trimethylbenzene	ug/kg	20	20.3	102	70-130	
1,3-Dichlorobenzene	ug/kg	20	19.7	99	70-130	
1,4-Dichlorobenzene	ug/kg	20	20.1	101	70-130	
2-Butanone (MEK)	ug/kg	20	20.6	103	70-130	
2-Hexanone	ug/kg	20	19.5	97	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	20	20.3	102	70-130	
Acetone	ug/kg	20	27.5	138	70-130 L0	
Benzene	ug/kg	20	19.9	99	70-130	
Bromochloromethane	ug/kg	20	19.3	96	70-130	
Bromodichloromethane	ug/kg	20	18.3	91	70-130	
Bromoform	ug/kg	20	16.7	84	70-130	
Bromomethane	ug/kg	20	15.4	77	70-130	
Carbon disulfide	ug/kg	20	20.5	102	70-130	
Carbon tetrachloride	ug/kg	20	18.8	94	70-130	
Chlorobenzene	ug/kg	20	19.8	99	70-130	
Chloroethane	ug/kg	20	19.8	99	70-130	
Chloroform	ug/kg	20	19.7	98	70-130	
Chloromethane	ug/kg	20	14.8	74	70-130	
cis-1,2-Dichloroethene	ug/kg	20	19.5	98	70-130	
cis-1,3-Dichloropropene	ug/kg	20	18.5	93	70-130	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938534.00017  
Pace Project No.: 3027322

LABORATORY CONTROL SAMPLE: 169223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromochloromethane	ug/kg	20	18.3	91	70-130	
Ethylbenzene	ug/kg	20	20.7	104	70-130	
Isopropylbenzene (Cumene)	ug/kg	20	21.4	107	70-130	
m&p-Xylene	ug/kg	40	40.8	102	70-130	
Methyl-tert-butyl ether	ug/kg	20	19.0	95	70-130	
Methylene Chloride	ug/kg	20	19.6	98	70-130	
n-Butylbenzene	ug/kg	20	20.2	101	70-130	
n-Propylbenzene	ug/kg	20	20.9	105	70-130	
Naphthalene	ug/kg	20	19.1	96	70-130	
o-Xylene	ug/kg	20	19.5	97	70-130	
p-Isopropyltoluene	ug/kg	20	20.3	101	70-130	
sec-Butylbenzene	ug/kg	20	20.6	103	70-130	
Styrene	ug/kg	20	18.4	92	70-130	
Tetrachloroethene	ug/kg	20	19.9	100	70-130	
Toluene	ug/kg	20	20.3	102	70-130	
TOTAL BTEX	ug/kg		121			
trans-1,2-Dichloroethene	ug/kg	20	19.0	95	70-130	
trans-1,3-Dichloropropene	ug/kg	20	18.3	91	70-130	
Trichloroethene	ug/kg	20	19.4	97	70-130	
Vinyl chloride	ug/kg	20	14.9	74	70-130	
Xylene (Total)	ug/kg	60	60.3	100	70-130	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			102	70-130	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: MSV/5770 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024, 3027322029

METHOD BLANK: 168069 Matrix: Water  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024, 3027322029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	05/10/10 14:16	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/10/10 14:16	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/10/10 14:16	
1,1-Dichloroethane	ug/L	ND	1.0	05/10/10 14:16	
1,1-Dichloroethene	ug/L	ND	1.0	05/10/10 14:16	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/10/10 14:16	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/10/10 14:16	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/10/10 14:16	
1,2-Dichloroethane	ug/L	ND	1.0	05/10/10 14:16	
1,2-Dichloropropane	ug/L	ND	1.0	05/10/10 14:16	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/10/10 14:16	
3-Dichlorobenzene	ug/L	ND	1.0	05/10/10 14:16	
4-Dichlorobenzene	ug/L	ND	1.0	05/10/10 14:16	
2-Butanone (MEK)	ug/L	ND	10.0	05/10/10 14:16	
2-Hexanone	ug/L	ND	10.0	05/10/10 14:16	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	05/10/10 14:16	
Acetone	ug/L	ND	10.0	05/10/10 14:16	
Benzene	ug/L	ND	1.0	05/10/10 14:16	
Bromochloromethane	ug/L	ND	1.0	05/10/10 14:16	
Bromodichloromethane	ug/L	ND	1.0	05/10/10 14:16	
Bromoform	ug/L	ND	1.0	05/10/10 14:16	
Bromomethane	ug/L	ND	1.0	05/10/10 14:16	
Carbon disulfide	ug/L	ND	1.0	05/10/10 14:16	
Carbon tetrachloride	ug/L	ND	1.0	05/10/10 14:16	
Chlorobenzene	ug/L	ND	1.0	05/10/10 14:16	
Chloroethane	ug/L	ND	1.0	05/10/10 14:16	
Chloroform	ug/L	ND	1.0	05/10/10 14:16	
Chloromethane	ug/L	ND	1.0	05/10/10 14:16	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/10/10 14:16	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/10/10 14:16	
Dibromochloromethane	ug/L	ND	1.0	05/10/10 14:16	
Ethylbenzene	ug/L	ND	1.0	05/10/10 14:16	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/10/10 14:16	
m&p-Xylene	ug/L	ND	2.0	05/10/10 14:16	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/10/10 14:16	
Methylene Chloride	ug/L	ND	1.0	05/10/10 14:16	
n-Butylbenzene	ug/L	ND	1.0	05/10/10 14:16	
n-Propylbenzene	ug/L	ND	1.0	05/10/10 14:16	
Naphthalene	ug/L	ND	2.0	05/10/10 14:16	
o-Xylene	ug/L	ND	1.0	05/10/10 14:16	
p-Isopropyltoluene	ug/L	ND	1.0	05/10/10 14:16	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

METHOD BLANK: 168069

Matrix: Water

Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024, 3027322029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
sec-Butylbenzene	ug/L	ND	1.0	05/10/10 14:16	
Styrene	ug/L	ND	1.0	05/10/10 14:16	
Tetrachloroethene	ug/L	ND	1.0	05/10/10 14:16	
Toluene	ug/L	ND	1.0	05/10/10 14:16	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/10/10 14:16	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/10/10 14:16	
Trichloroethene	ug/L	ND	1.0	05/10/10 14:16	
Vinyl chloride	ug/L	ND	1.0	05/10/10 14:16	
Xylene (Total)	ug/L	ND	3.0	05/10/10 14:16	
1,2-Dichloroethane-d4 (S)	%	103	70-130	05/10/10 14:16	
4-Bromofluorobenzene (S)	%	95	70-130	05/10/10 14:16	
Toluene-d8 (S)	%	94	70-130	05/10/10 14:16	

LABORATORY CONTROL SAMPLE: 168070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	21.3	107	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	70-130	
1,1,2-Trichloroethane	ug/L	20	17.6	88	70-130	
1,1-Dichloroethane	ug/L	20	20.5	103	70-130	
1,1-Dichloroethene	ug/L	20	16.6	83	70-130	
1,2,4-Trichlorobenzene	ug/L	20	21.1	106	70-130	
1,2,4-Trimethylbenzene	ug/L	20	20.9	105	70-130	
1,2-Dichlorobenzene	ug/L	20	20.9	105	70-130	
1,2-Dichloroethane	ug/L	20	20.8	104	70-130	
1,2-Dichloropropane	ug/L	20	17.0	85	70-130	
1,3,5-Trimethylbenzene	ug/L	20	20.9	104	70-130	
1,3-Dichlorobenzene	ug/L	20	21.0	105	70-130	
1,4-Dichlorobenzene	ug/L	20	20.8	104	70-130	
2-Butanone (MEK)	ug/L	20	21.8	109	70-130	
2-Hexanone	ug/L	20	19.0	95	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	19.0	95	70-130	
Acetone	ug/L	20	24.1	120	70-130	
Benzene	ug/L	20	17.2	86	70-130	
Bromochloromethane	ug/L	20	20.6	103	70-130	
Bromodichloromethane	ug/L	20	16.9	84	70-130	
Bromoform	ug/L	20	16.9	84	70-130	
Bromomethane	ug/L	20	26.4	132	70-130 L3	
Carbon disulfide	ug/L	20	21.1	106	70-130	
Carbon tetrachloride	ug/L	20	20.5	103	70-130	
Chlorobenzene	ug/L	20	17.6	88	70-130	
Chloroethane	ug/L	20	20.6	103	70-130	
Chloroform	ug/L	20	20.6	103	70-130	
Chloromethane	ug/L	20	17.0	85	70-130	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

LABORATORY CONTROL SAMPLE: 168070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	20	20.6	103	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.2	86	70-130	
Dibromochloromethane	ug/L	20	18.9	95	70-130	
Ethylbenzene	ug/L	20	18.0	90	70-130	
Isopropylbenzene (Cumene)	ug/L	20	21.0	105	70-130	
m&p-Xylene	ug/L	40	36.4	91	70-130	
Methyl-tert-butyl ether	ug/L	20	22.6	113	70-130	
Methylene Chloride	ug/L	20	18.9	95	70-130	
n-Butylbenzene	ug/L	20	21.6	108	70-130	
n-Propylbenzene	ug/L	20	21.4	107	70-130	
Naphthalene	ug/L	20	23.2	116	70-130	
o-Xylene	ug/L	20	17.5	87	70-130	
p-Isopropyltoluene	ug/L	20	21.4	107	70-130	
sec-Butylbenzene	ug/L	20	21.7	109	70-130	
Styrene	ug/L	20	16.6	83	70-130	
Tetrachloroethene	ug/L	20	17.4	87	70-130	
Toluene	ug/L	20	17.8	89	70-130	
trans-1,2-Dichloroethene	ug/L	20	17.6	88	70-130	
ns-1,3-Dichloropropene	ug/L	20	19.3	97	70-130	
chloroethene	ug/L	20	17.4	87	70-130	
Vinyl chloride	ug/L	20	19.4	97	70-130	
Xylene (Total)	ug/L	60	53.9	90	70-130	
1,2-Dichloroethane-d4 (S)	%			107	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			84	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 168071 168072

Parameter	Units	3027322001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	25.9	18.3	129	92	70-130	34	R1
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20.7	12.9	103	65	70-130	46	M0,R1
1,1,2-Trichloroethane	ug/L	ND	20	20	22.3	15.2	112	76	70-130	38	R1
1,1-Dichloroethane	ug/L	ND	20	20	26.0	18.7	130	94	70-130	32	R1
1,1-Dichloroethene	ug/L	ND	20	20	22.1	15.9	110	80	70-130	32	R1
1,2,4-Trichlorobenzene	ug/L	ND	20	20	18.3	12.8	92	64	70-130	35	R1
1,2,4-Trimethylbenzene	ug/L	ND	20	20	20.4	14.4	102	72	70-130	35	R1
1,2-Dichlorobenzene	ug/L	ND	20	20	20.5	14.3	103	71	70-130	36	R1
1,2-Dichloroethane	ug/L	ND	20	20	27.3	18.9	137	95	70-130	37	M0,R1
1,2-Dichloropropane	ug/L	ND	20	20	21.5	15.9	107	79	70-130	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	21.1	14.8	105	74	70-130	35	R1
1,3-Dichlorobenzene	ug/L	ND	20	20	20.3	14.6	102	73	70-130	33	R1
1,4-Dichlorobenzene	ug/L	ND	20	20	19.8	14.3	99	72	70-130	32	R1
2-Butanone (MEK)	ug/L	ND	20	20	24.6	14.1	123	70	70-130	54	R1
2-Hexanone	ug/L	ND	20	20	22.1	12.6	110	63	70-130	55	R1
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	22.5	13.6	112	68	70-130	49	R1
acetone	ug/L	ND	20	20	31.7	17.9	158	90	70-130	55	M0,R1

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 168071 168072											
Parameter	Units	3027322001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Benzene	ug/L	ND	20	20	22.0	15.9	110	80	70-130	32	R1
Bromochloromethane	ug/L	ND	20	20	25.9	18.4	129	92	70-130	34	R1
Bromodichloromethane	ug/L	ND	20	20	19.2	14.4	96	72	70-130	29	
Bromoform	ug/L	ND	20	20	16.2	12.0	81	60	70-130	30	M0, R1
Bromomethane	ug/L	ND	20	20	21.0	21.5	105	108	70-130	2	
Carbon disulfide	ug/L	ND	20	20	24.9	19.4	125	97	70-130	25	
Carbon tetrachloride	ug/L	ND	20	20	21.3	16.8	107	84	70-130	24	
Chlorobenzene	ug/L	ND	20	20	22.5	16.2	113	81	70-130	33	R1
Chloroethane	ug/L	ND	20	20	31.9	20.6	159	103	70-130	43	M0, R1
Chloroform	ug/L	ND	20	20	26.3	19.0	131	95	70-130	32	M0, R1
Chloromethane	ug/L	ND	20	20	20.7	14.8	104	74	70-130	33	R1
cis-1,2-Dichloroethene	ug/L	ND	20	20	25.6	18.6	128	93	70-130	32	R1
cis-1,3-Dichloropropene	ug/L	ND	20	20	18.7	14.0	94	70	70-130	29	
Dibromochloromethane	ug/L	ND	20	20	19.3	13.9	97	70	70-130	32	R1
Ethylbenzene	ug/L	ND	20	20	22.2	16.5	111	83	70-130	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.7	15.4	108	77	70-130	34	R1
m&p-Xylene	ug/L	ND	40	40	45.8	33.0	114	82	70-130	33	R1
Methyl-tert-butyl ether	ug/L	ND	20	20	28.2	16.2	141	81	70-130	54	M0, R1
Methylene Chloride	ug/L	ND	20	20	24.3	17.6	122	88	70-130	32	R1
n-Butylbenzene	ug/L	ND	20	20	18.5	13.6	93	68	70-130	30	R1
n-Propylbenzene	ug/L	ND	20	20	20.9	14.9	105	75	70-130	34	R1
Naphthalene	ug/L	ND	20	20	19.3	13.0	96	65	70-130	39	R1
o-Xylene	ug/L	ND	20	20	21.9	16.0	110	80	70-130	31	R1
p-Isopropyltoluene	ug/L	ND	20	20	20.2	14.4	101	72	70-130	34	R1
sec-Butylbenzene	ug/L	ND	20	20	21.3	15.2	106	76	70-130	33	R1
Styrene	ug/L	ND	20	20	20.8	14.9	104	74	70-130	33	R1
Tetrachloroethene	ug/L	ND	20	20	21.6	15.8	108	79	70-130	31	R1
Toluene	ug/L	ND	20	20	22.6	16.3	113	82	70-130	32	R1
trans-1,2-Dichloroethene	ug/L	ND	20	20	22.5	16.5	113	83	70-130	31	R1
trans-1,3-Dichloropropene	ug/L	ND	20	20	20.5	15.2	103	76	70-130	30	
Trichloroethene	ug/L	ND	20	20	21.8	16.3	109	82	70-130	28	
Vinyl chloride	ug/L	ND	20	20	25.2	17.0	126	85	70-130	39	R1
Xylene (Total)	ug/L	ND	60	60	67.7	49.0	113	82	70-130	32	
1,2-Dichloroethane-d4 (S)	%						118	119	70-130		
4-Bromofluorobenzene (S)	%						95	95	70-130		
Toluene-d8 (S)	%						95	98	70-130		

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H 39938834.00017  
Pace Project No.: 3027322

QC Batch: PMST/1840 Analysis Method: ASTM D2974-87  
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture  
Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

SAMPLE DUPLICATE: 168901

Parameter	Units	3026949001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	90.6	90.7	.04	

SAMPLE DUPLICATE: 168902

Parameter	Units	3027008001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.9	16.2	2	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch:	WET/5529	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	3027322001		

METHOD BLANK: 168127 Matrix: Water

Associated Lab Samples: 3027322001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	05/10/10 17:30	

LABORATORY CONTROL SAMPLE: 168128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	1010	101	85-115	

SAMPLE DUPLICATE: 168129

Parameter	Units	3027322001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	201	192	5	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: WET/5543 Analysis Method: SM 2540C  
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
Associated Lab Samples: 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023

METHOD BLANK: 168490 Matrix: Water  
Associated Lab Samples: 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	05/12/10 21:12	

LABORATORY CONTROL SAMPLE: 168491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	987	99	85-115	

SAMPLE DUPLICATE: 168492

Parameter	Units	3027322023 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	84.0	83.0	1	

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: WET/5559 Analysis Method: SM 2540C  
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
Associated Lab Samples: 3027322024

METHOD BLANK: 169030 Matrix: Water

Associated Lab Samples: 3027322024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	05/12/10 16:35	

LABORATORY CONTROL SAMPLE: 169031

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	910	91	85-115	

SAMPLE DUPLICATE: 169032

Parameter	Units	3027322024 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	200	200	0	

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DIM0227454

DIM0228267



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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch:	WET/5530	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids
Associated Lab Samples:	3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020		

METHOD BLANK:	168130	Matrix:	Water
Associated Lab Samples:	3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	05/10/10 21:20	

SAMPLE DUPLICATE: 168131

Parameter	Units	3027322020 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	8.0	8.0	0	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: WET/5544 Analysis Method: SM 2540D  
QC Batch Method: SM 2540D Analysis Description: 2540D Total Suspended Solids  
Associated Lab Samples: 3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK: 168496 Matrix: Water  
Associated Lab Samples: 3027322021, 3027322022, 3027322023, 3027322024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	4.0	05/11/10 20:42	

SAMPLE DUPLICATE: 168497

Parameter	Units	3027252003 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	118	118	0	

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## QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: WET/5562 Analysis Method: SM 5540C  
QC Batch Method: SM 5540C Analysis Description: 5540C MBAS Surfactants  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322006, 3027322008, 3027322009, 3027322010, 3027322011, 3027322013, 3027322015, 3027322017, 3027322019, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024, 3027322026, 3027322028

METHOD BLANK: 169149 Matrix: Water  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322006, 3027322008, 3027322009, 3027322010, 3027322011, 3027322013, 3027322015, 3027322017, 3027322019, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024, 3027322026, 3027322028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.10	05/13/10 14:25	

METHOD BLANK: 169150 Matrix: Water  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322006, 3027322008, 3027322009, 3027322010, 3027322011, 3027322013, 3027322015, 3027322017, 3027322019, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024, 3027322026, 3027322028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.10	05/13/10 14:25	

LABORATORY CONTROL SAMPLE: 169151

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	1	1.0	104	85-115	SU

MATRIX SPIKE SAMPLE: 169153

Parameter	Units	3027322024 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	0.18	1	0.80	63	85-115	M3

SAMPLE DUPLICATE: 169152

Parameter	Units	3027322023 Result	Dup Result	RPD	Qualifiers
Surfactants	mg/L	ND	ND		2c

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: WET/5558 Analysis Method: EPA 9034  
QC Batch Method: EPA 9034 Analysis Description: 9034 Sulfide Solid  
Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

METHOD BLANK: 169009 Matrix: Solid  
Associated Lab Samples: 3027322005, 3027322007, 3027322012, 3027322014, 3027322016, 3027322018, 3027322025, 3027322027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/kg	ND	10.0	05/12/10 19:50	

LABORATORY CONTROL SAMPLE: 169010

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/kg	115	104	90	85-115	

MATRIX SPIKE SAMPLE: 169012

Parameter	Units	3027322027 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/kg	ND	149	145	97	85-115	

SAMPLE DUPLICATE: 169011

Parameter	Units	3027322025 Result	Dup Result	RPD	Qualifiers
Sulfide	mg/kg	ND	ND		

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

QC Batch: WET/5567 Analysis Method: EPA 9034  
QC Batch Method: EPA 9034 Analysis Description: 9034 Sulfide Waste Water  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

METHOD BLANK: 169204 Matrix: Water  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322009, 3027322010, 3027322011, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfide	mg/L	ND	1.0	05/12/10 23:40	

LABORATORY CONTROL SAMPLE: 169205

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	5.8	5.2	90	85-115	

MATRIX SPIKE SAMPLE: 169207

Parameter	Units	3027322024 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	ND	5.8	5.2	87	85-115	

SAMPLE DUPLICATE: 169206

Parameter	Units	3027322023 Result	Dup Result	RPD	Qualifiers
Sulfide	mg/L	ND	ND		

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### QUALITY CONTROL DATA

Project: 2H/4H 39938634 00017  
Pace Project No.: 3027322

QC Batch: WETA/4215 Analysis Method: SM 4500-Cl-E  
QC Batch Method: SM 4500-Cl-E Analysis Description: 4500 Chloride  
Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322006, 3027322008, 3027322009, 3027322010, 3027322011, 3027322013, 3027322015, 3027322017, 3027322019, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024, 3027322026, 3027322028

METHOD BLANK: 169040

Matrix: Water

Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322006, 3027322008, 3027322009, 3027322010, 3027322011, 3027322013, 3027322015, 3027322017, 3027322019, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024, 3027322026, 3027322028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	05/12/10 20:17	

METHOD BLANK: 169198

Matrix: Water

Associated Lab Samples: 3027322001, 3027322002, 3027322003, 3027322004, 3027322006, 3027322008, 3027322009, 3027322010, 3027322011, 3027322013, 3027322015, 3027322017, 3027322019, 3027322020, 3027322021, 3027322022, 3027322023, 3027322024, 3027322026, 3027322028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	05/12/10 00:00	1c

LABORATORY CONTROL SAMPLE: 169041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	38.9	97	85-115	

MATRIX SPIKE SAMPLE: 169042

Parameter	Units	3027322001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	5.4	20	26.2	104	85-115	

SAMPLE DUPLICATE: 169043

Parameter	Units	3027322001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	5.4	5.4	.3	

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## QUALIFIERS

Project: [REDACTED] 2H/4H 39938634.00017  
Pace Project No.: 3027322

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.  
ND - Not Detected at or above adjusted reporting limit.  
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.  
MDL - Adjusted Method Detection Limit.  
S - Surrogate  
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
U - Indicates the compound was analyzed for, but not detected.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

### LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

### WORKORDER QUALIFIERS

WO: 3027322

- [1] This project was revised on 6/11/10 in order to Jflag dissolved Tl.
- [2] The project has been revised to report the thallium results from an instrument with an MDL below the client required limit of 2ug/L.

### ANALYTE QUALIFIERS

- 1c ASTM BLANK
- 2c Sample was not available for analysis within EPA method hold time.
- 3c Sample was tumbled on 5/11/2010 and analyzed within 48 hours.
- B Analyte was detected in the associated method blank.
- C9 Common Laboratory Contaminant.
- L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.
- R1 RPD value was outside control limits.
- SU MBAS, calculated as LAS, Mol wt 342.2 g/mol

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027322005	DG Sump-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422
3027322007	UG Sump-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422
3027322012	SR29E-CUL-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422
3027322014	Upstream-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422
3027322016	Downstream-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422
3027322018	Field	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422
3027322025	HD Sump-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422
3027322027	HD-Sed	EPA 3050	MPRP/3813	EPA 6010B	ICP/3422
3027322001	DW	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322002	HD Well	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322003	DG Sump	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322004	UG Sump	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322009	Upstream	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322010	Downstream	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322011	SR29E-CUL	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322020	DW	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322021	DW	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322022	HD Well	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322023	HD Well	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322024	P Tank	EPA 3005	MPRP/3816	EPA 6010B	ICP/3425
3027322001	DW	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322002	HD Well	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322003	DG Sump	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322004	UG Sump	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322009	Upstream	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322010	Downstream	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322011	SR29E-CUL	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322020	DW	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322021	DW	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322022	HD Well	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322023	HD Well	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322024	P Tank	EPA 3005	MPRP/3821	EPA 6010	ICP/3430
3027322001	DW	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322002	HD Well	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322003	DG Sump	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322004	UG Sump	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322009	Upstream	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322010	Downstream	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322011	SR29E-CUL	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322020	DW	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322021	DW	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322022	HD Well	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322023	HD Well	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322024	P Tank	EPA 7470	MERP/1894	EPA 7470	MERC/1851
3027322001	DW	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322002	HD Well	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322003	DG Sump	EPA 7470	MERP/1895	EPA 7470	MERC/1852

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027322004	UG Sump	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322009	Upstream	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322010	Downstream	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322011	SR29E-CUL	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322020	DW	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322021	DW	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322022	HD Well	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322023	HD Well	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322024	P Tank	EPA 7470	MERP/1895	EPA 7470	MERC/1852
3027322005	DG Sump-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322007	UG Sump-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322012	SR29E-CUL-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322014	Upstream-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322016	Downstream-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322018	Field	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322025	HD Sump-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322027	HD-Sed	EPA 7471	MERP/1891	EPA 7471	MERC/1848
3027322005	DG Sump-Sed	EPA 8260	MSV/5777		
3027322007	UG Sump-Sed	EPA 8260	MSV/5777		
3027322012	SR29E-CUL-Sed	EPA 8260	MSV/5799		
3027322014	Upstream-Sed	EPA 8260	MSV/5799		
3027322016	Downstream-Sed	EPA 8260	MSV/5777		
3027322018	Field	EPA 8260	MSV/5777		
3027322025	HD Sump-Sed	EPA 8260	MSV/5799		
3027322027	HD-Sed	EPA 8260	MSV/5777		
3027322001	DW	EPA 8260	MSV/5770		
3027322002	HD Well	EPA 8260	MSV/5770		
3027322003	DG Sump	EPA 8260	MSV/5770		
3027322004	UG Sump	EPA 8260	MSV/5770		
3027322009	Upstream	EPA 8260	MSV/5770		
3027322010	Downstream	EPA 8260	MSV/5770		
3027322011	SR29E-CUL	EPA 8260	MSV/5770		
3027322020	DW	EPA 8260	MSV/5770		
3027322021	DW	EPA 8260	MSV/5770		
3027322022	HD Well	EPA 8260	MSV/5770		
3027322023	HD Well	EPA 8260	MSV/5770		
3027322024	P Tank	EPA 8260	MSV/5770		
3027322029	TB-01	EPA 8260	MSV/5770		
3027322005	DG Sump-Sed	ASTM D2974-87	PMST/1840		
3027322007	UG Sump-Sed	ASTM D2974-87	PMST/1840		
3027322012	SR29E-CUL-Sed	ASTM D2974-87	PMST/1840		
3027322014	Upstream-Sed	ASTM D2974-87	PMST/1840		
3027322016	Downstream-Sed	ASTM D2974-87	PMST/1840		
3027322018	Field	ASTM D2974-87	PMST/1840		
3027322025	HD Sump-Sed	ASTM D2974-87	PMST/1840		

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2H/4H 39938634.00017  
Pace Project No.: 3027322

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027322027	HD-Sed	ASTM D2974-87	PMST/1840		
3027322001	DW	SM 2540C	WET/5529		
3027322002	HD Well	SM 2540C	WET/5543		
3027322003	DG Sump	SM 2540C	WET/5543		
3027322004	UG Sump	SM 2540C	WET/5543		
3027322009	Upstream	SM 2540C	WET/5543		
3027322010	Downstream	SM 2540C	WET/5543		
3027322011	SR29E-CUL	SM 2540C	WET/5543		
3027322020	DW	SM 2540C	WET/5543		
3027322021	DW	SM 2540C	WET/5543		
3027322022	HD Well	SM 2540C	WET/5543		
3027322023	HD Well	SM 2540C	WET/5543		
3027322024	P Tank	SM 2540C	WET/5559		
3027322001	DW	SM 2540D	WET/5530		
3027322002	HD Well	SM 2540D	WET/5530		
3027322003	DG Sump	SM 2540D	WET/5530		
3027322004	UG Sump	SM 2540D	WET/5530		
3027322009	Upstream	SM 2540D	WET/5530		
3027322010	Downstream	SM 2540D	WET/5530		
3027322011	SR29E-CUL	SM 2540D	WET/5530		
3027322020	DW	SM 2540D	WET/5530		
3027322021	DW	SM 2540D	WET/5544		
3027322022	HD Well	SM 2540D	WET/5544		
3027322023	HD Well	SM 2540D	WET/5544		
3027322024	P Tank	SM 2540D	WET/5544		
3027322001	DW	SM 5540C	WET/5562		
3027322002	HD Well	SM 5540C	WET/5562		
3027322003	DG Sump	SM 5540C	WET/5562		
3027322004	UG Sump	SM 5540C	WET/5562		
3027322006	DG Sump-Sed ASTM	SM 5540C	WET/5562		
3027322008	UG Sump-Sed ASTM	SM 5540C	WET/5562		
3027322009	Upstream	SM 5540C	WET/5562		
3027322010	Downstream	SM 5540C	WET/5562		
3027322011	SR29E-CUL	SM 5540C	WET/5562		
3027322013	SR29E-CUL-Sed ASTM	SM 5540C	WET/5562		
3027322015	Upstream-Sed ASTM	SM 5540C	WET/5562		
3027322017	Downstream-Sed ASTM	SM 5540C	WET/5562		
3027322019	Field ASTM	SM 5540C	WET/5562		
3027322020	DW	SM 5540C	WET/5562		
3027322021	DW	SM 5540C	WET/5562		
3027322022	HD Well	SM 5540C	WET/5562		
3027322023	HD Well	SM 5540C	WET/5562		
3027322024	P Tank	SM 5540C	WET/5562		
3027322026	HD Sump-Sed ASTM	SM 5540C	WET/5562		
3027322028	HD-Sed ASTM	SM 5540C	WET/5562		

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: [REDACTED] 2H/4H 39938634.00017  
Pace Project No.: 3027322

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3027322005	[REDACTED] DG Sump-Sed	EPA 9034	WET/5558		
3027322007	[REDACTED] UG Sump-Sed	EPA 9034	WET/5558		
3027322012	[REDACTED] SR29E-CUL-Sed	EPA 9034	WET/5558		
3027322014	[REDACTED] Upstream-Sed	EPA 9034	WET/5558		
3027322016	[REDACTED] Downstream-Sed	EPA 9034	WET/5558		
3027322018	[REDACTED] Field	EPA 9034	WET/5558		
3027322025	[REDACTED] HD Sump-Sed	EPA 9034	WET/5558		
3027322027	[REDACTED] HD-Sed	EPA 9034	WET/5558		
3027322001	[REDACTED] DW	EPA 9034	WET/5567		
3027322002	[REDACTED] HD Well	EPA 9034	WET/5567		
3027322003	[REDACTED] DG Sump	EPA 9034	WET/5567		
3027322004	[REDACTED] UG Sump	EPA 9034	WET/5567		
3027322009	[REDACTED] Upstream	EPA 9034	WET/5567		
3027322010	[REDACTED] Downstream	EPA 9034	WET/5567		
3027322011	[REDACTED] SR29E-CUL	EPA 9034	WET/5567		
3027322020	[REDACTED] DW	EPA 9034	WET/5567		
3027322021	[REDACTED] DW	EPA 9034	WET/5567		
3027322022	[REDACTED] HD Well	EPA 9034	WET/5567		
3027322023	[REDACTED] HD Well	EPA 9034	WET/5567		
27322024	[REDACTED] P Tank	EPA 9034	WET/5567		
3027322001	[REDACTED] DW	SM 4500-CI-E	WETA/4215		
3027322002	[REDACTED] HD Well	SM 4500-CI-E	WETA/4215		
3027322003	[REDACTED] DG Sump	SM 4500-CI-E	WETA/4215		
3027322004	[REDACTED] UG Sump	SM 4500-CI-E	WETA/4215		
3027322006	[REDACTED] DG Sump-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322008	[REDACTED] UG Sump-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322009	[REDACTED] Upstream	SM 4500-CI-E	WETA/4215		
3027322010	[REDACTED] Downstream	SM 4500-CI-E	WETA/4215		
3027322011	[REDACTED] SR29E-CUL	SM 4500-CI-E	WETA/4215		
3027322013	[REDACTED] SR29E-CUL-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322015	[REDACTED] Upstream-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322017	[REDACTED] Downstream-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322019	[REDACTED] Field ASTM	SM 4500-CI-E	WETA/4215		
3027322020	[REDACTED] DW	SM 4500-CI-E	WETA/4215		
3027322021	[REDACTED] DW	SM 4500-CI-E	WETA/4215		
3027322022	[REDACTED] HD Well	SM 4500-CI-E	WETA/4215		
3027322023	[REDACTED] HD Well	SM 4500-CI-E	WETA/4215		
3027322024	[REDACTED] P Tank	SM 4500-CI-E	WETA/4215		
3027322026	[REDACTED] HD Sump-Sed ASTM	SM 4500-CI-E	WETA/4215		
3027322028	[REDACTED] HD-Sed ASTM	SM 4500-CI-E	WETA/4215		



CHAIN-OF-CUSTODY / Analytical Request Document  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2  
1361004

Section A  
Required Client Information:

Company: URS Corp  
Address: 501 Holiday Dr. Suite 300  
Pittsburgh PA 15220  
Email To: Andy-Mehalko@urscorp.com  
Phone: 412-623-4636  
Requested Due Date/TAT: 3 Day

Section B  
Required Project Information:

Report To: James-Pinta@urscorp.com  
Copy To: David-Testa@urscorp.com  
Purchase Order No.: Andy-Mehalko@urscorp.com  
Project Name: 2H/4H  
Project Number: 39938634.00017

Section C  
Invoice Information:

Attention: David Testa  
Company Name: URS Corp  
Address: 501 Holiday Dr. Suite 300  
Pgh PA 15220  
Pace Order Reference:  
Pace Project Manager: Tim Reed  
Pace Profile #:

REGULATORY AGENCY  
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER  
☐ UST ☐ RCRA ☐ OTHER  
Site Location: PA  
STATE: PA

ITEM #	SAMPLE ID (A-Z, 0-9 / -)	Matrix Codes MATRIX / CODE	SAMPLE TYPE (See valid codes to left)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										Analysis Test #	Requested Analysis Filtered (Y/N)										Pace Project No / Lab I.D.
				COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME			DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	12M HCl	Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	Methanol		Other	TCL VOCs +	n-Butylbenzene	sec-Butylbenzene	Isopropylbenzene	n-Propylbenzene	p-Isopropylbenzene	TAL Metals (Total)	TAL Metals (Cd)	Sulfide	
1	-DW	DW	WTG			5-6-10	1230	72	13								X	X	X	X	X	X	X	X	X	X	X	X	001		
2	-HD Well	WT	WTG			5-6-10	1300	72	13								X	X	X	X	X	X	X	X	X	X	X	X	002		
3	-DG Sump	WT	WTG			5-6-10	1330	72	13								X	X	X	X	X	X	X	X	X	X	X	X	003		
4	-UG Sump	WT	WTG			5-6-10	1430	72	13								X	X	X	X	X	X	X	X	X	X	X	X	004		
5	-DG Sump - sed	SL	SLG			5-6-10	1350	52					21				X	X	X	X	X	X	X	X	X	X	X	X	005/006		
6	-UG Sump - sed	SL	SLG			5-6-10	1500	52					21				X	X	X	X	X	X	X	X	X	X	X	X	007/008		
7	-upstream	WT	WTG			5-6-10	1545	72	13								X	X	X	X	X	X	X	X	X	X	X	X	009		
8	-downstream	WT	WTG			5-6-10	1600	72	13								X	X	X	X	X	X	X	X	X	X	X	X	010		
9	-SR29E-CUL	WT	WTG			5-6-10	1515	72	12								X	X	X	X	X	X	X	X	X	X	X	X	011		
10	-SR29E-CUL - sed	SL	SLG			5-6-10	1730	52					21				X	X	X	X	X	X	X	X	X	X	X	X	012/013		
11	-Upstream - sed	SL	SLG			5-6-10	1815	52					21				X	X	X	X	X	X	X	X	X	X	X	X	014/015		
12	-downstream - sed	SL	SLG			5-6-10	1800	52					21				X	X	X	X	X	X	X	X	X	X	X	X	016/017		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Andy URS	5-7-10	1845	RS Western / Pace	5-8-10	0907	5.1 Y N Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Amanda Bayne / Andy Mehalko

SIGNATURE of SAMPLER: Andy Mehalko

DATE Signed (MM/DD/YYYY): 05/07/10

Temp in °C  
Received on Ice (Y/N)  
Custody Sealed Cooler (Y/N)  
Samples Intact (Y/N)

\*Import \*By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for a \*Not valid within 30 days. F-ALL-Q-020rev 07, 15-M-07

CABOT-EPA 007046

DIM0227454

DIM0228279

**CHAIN-OF-CUSTODY / Analytical Request Document**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 2 of 2	
Company: URS Corp		Report To: James.Pinta@urscorp.com		Attention: David Testa		1361005	
Address: 501 Holiday Drive, S. 300 Pittsburgh PA 15220		Copy To: David Testa@urscorp.com		Company Name: URS Corp		REGULATORY AGENCY	
Email To: Andry.mehalko@urscorp.com		Purchase Order No.:		Address: 501 Holiday Drive, S. 300, Bldg PA 15220		<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER	
Phone: 412-428-4636 / 412-428-4701		Project Name: 2H/4H		Phase Project Manager: Tim Reed		Site Location	
Requested Due Date/TAT: 3 Day		Project Number: 39939634.00017		Phase Profile #:		STATE: PA	

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	Matrix Code (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES										ANALYSIS TEST	REQUESTED ANALYSIS FILTERED (Y/N)	Residual Chlorine (Y/N)	Pace Project No / Lab ID
					COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>8</sub>	Methanol	Other						
					DATE	TIME	DATE	TIME																
1	- Field	SL G					5/7/10	1745		5	2													0187/019
2	-DW	WT G					5/7/10	0940		7	2	1	3	1										020
3	-DW	WT G					5/7/10	1000		7	2	1	3	1										021
4	-HD well	WT G					5/7/10	1045		7	2	1	3	1										022
5	-HD well	WT G					5/7/10	1230		7	2	1	3	1										023
6	-Pitank	WT G					5/7/10	1145		7	2	1	3	1										024
7	-HD sump - sed	SL G					5/7/10	1210		5	2				2	1								025/026
8	-HD sed	SL G					5/7/10	1310		5	2				2	1								027/028
9	1B-01						5/7/10																	029
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
	ART JUKS	5/10	1845	R. S. J. / Pace	5/8/10	0907	5.1	Y	N	Y	

ORIGINAL	SAMPLER NAME AND SIGNATURE		Temp in °C	Received on lot (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)
	PRINT Name of SAMPLER: Amanda Byrne / Andry Mehalko					
	SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 05/07/10					

\*Important: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any late payments not paid within 30 days.

F-ALL-Q-020rev 07, 15-May-2007



### Sample Condition Upon Receipt

RES

Client Name: URS

Project # 3027322

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other \_\_\_\_\_

Thermometer Used (3) 5

Type of Ice: Wet Blue None

☒ Samples on ice, cooling process has begun

Cooler Temperature 5.1

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: RES 5/8/10

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5. <u>MBAS</u>
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7. <u>3 Day</u>
Sufficient Volumes:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>WT</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>RES</u> Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16. <u>TB appears to be filled by the client</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>RES 5/8/10</u>	

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: 5/10/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010

CABOT-EPA 007048



# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

May 12, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled 06-May-10  
Time Sampled 12:30  
Date Received: 06-May-10  
Time Received 19:25  
Sampled by: A Bayne/A. Mehalko/ URS

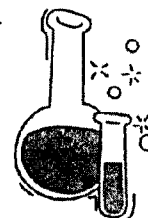
■■■■■ -DW

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	19:45
Fecal Strep	< 1	cfu/ 100 ml	SM <sub>20</sub> 9230 C	06-May-10	20:30



Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 007049

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

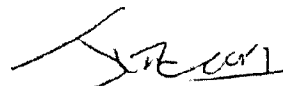
May 12, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

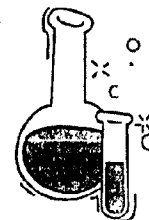
Date Sampled: 06-May-10  
Time Sampled: 13:00  
Date Received: 06-May-10  
Time Received: 19:25  
Sampled by: A. Bayne/A. Mehalko/ URS

██████ - HD WELL

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
<i>Total Coliform</i>	70	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
<i>Fecal Coliform</i>	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
<i>Fecal Coliform</i>	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 D	06-May-10	19:45
<i>Fecal Strep</i>	156	cfu/ 100 ml	SM <sub>20</sub> 9230 C	06-May-10	20:30

  
Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 007050

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

May 12, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 06-May-10  
Time Sampled: 13:30  
Date Received: 06-May-10  
Time Received: 19:25  
Sampled by: A. Bayne/A. Mehalko/ URS

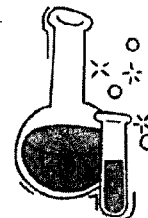
██████ - DG SUMP

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 D	06-May-10	19:45
Fecal Strep	100	cfu/ 100 ml	SM <sub>20</sub> 9230 C	06-May-10	20:30

TNTC = Too Numerous to count

  
Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 007051

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

May 12, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 06-May-10  
Time Sampled: 14:30  
Date Received: 06-May-10  
Time Received: 19:25  
Sampled by: A. Bayne/A. Mehalko/ URS

██████ UG SUMP

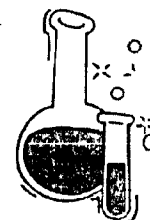
PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 D	06-May-10	19:45
Fecal Strep	*	cfu/ 100 ml	SM <sub>20</sub> 9230 C	06-May-10	20:30

TNTC = Too Numerous to count

\* CONFLUENT GROWTH

  
Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 007052

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

May 12, 2010

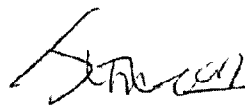
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 06-May-10  
Time Sampled: 15:15  
Date Received: 06-May-10  
Time Received: 19:25  
Sampled by: A. Bayne/A. Mehalko/URS

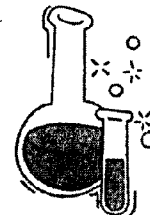
RT29E - CUL

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
Fecal Coliform	TNTC	cfu/ 100 ml	SM <sub>20</sub> 9222 D	06-May-10	19:45
Fecal Strep	364	cfu/ 100 ml	SM <sub>20</sub> 9230 C	06-May-10	20:30

TNTC = Too Numerous to count

  
Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 007053

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

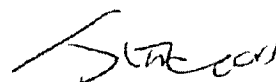
May 12 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 06-May-10  
Time Sampled: 15:45  
Date Received: 06-May-10  
Time Received: 19:25  
Sampled by: A. Bayne/A. Mehalko/ URS

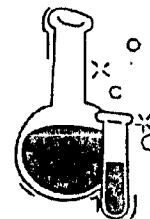
■ - Upstream

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
<i>Total Coliform</i>	655	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
<i>Fecal Coliform</i>	15	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
<i>Fecal Coliform</i>	11	cfu/ 100 ml	SM <sub>20</sub> 9222 D	06-May-10	19:45
<i>Fecal Strep</i>	52	cfu/ 100 ml	SM <sub>20</sub> 9230 C	06-May-10	20:30



Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 007054

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

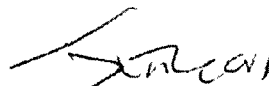
May 12, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

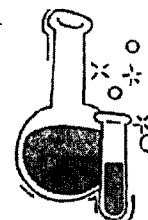
Date Sampled: 06-May-10  
Time Sampled: 16:00  
Date Received: 06-May-10  
Time Received: 19:25  
Sampled by: A. Bayne/A. Mehalko/ URS

■ - Downstream

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
<i>Total Coliform</i>	760	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
<i>Fecal Coliform</i>	200	cfu/ 100 ml	SM <sub>20</sub> 9222 B	06-May-10	20:00
<i>Fecal Coliform</i>	256	cfu/ 100 ml	SM <sub>20</sub> 9222 D	06-May-10	19:45
<i>Fecal Strep</i>	160	cfu/ 100 ml	SM <sub>20</sub> 9230 C	06-May-10	20:30

  
Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 007055

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

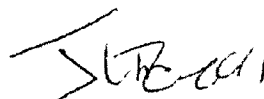
May 12, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh PA 15220

Date Sampled: 07-May-10  
Time Sampled: 11:45  
Date Received: 07-May-10  
Time Received: 15:45  
Sampled by: A. Bayne/A. Mehalko URS

██████-P TANK

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	72	cfu/ 100 ml	SM <sub>20</sub> 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 D	07-May-10	15:55
Fecal Strep	4	cfu/ 100 ml	SM <sub>20</sub> 9230 C	07-May-10	16:30



Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 007056



# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

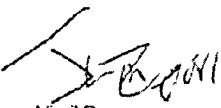
May 12, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

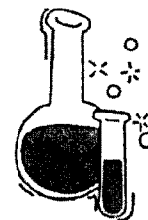
Date Sampled: 07-May-10  
Time Sampled: 12:30  
Date Received: 07-May-10  
Time Received: 15:45  
Sampled by: A. Bayne/A. Mehalko/ URS

██████ - HD WELL

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	172	cfu/ 100 ml	SM <sub>20</sub> 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 D	07-May-10	15:55
Fecal Strep	6	cfu/ 100 ml	SM <sub>20</sub> 9230 C	07-May-10	16:30

  
Virgil Runco  
Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 007057

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

---


May 12 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 07-May-10  
Time Sampled: 10:45  
Date Received: 07-May-10  
Time Received: 15:45  
Sampled by: A. Bayne/A. Mehalko/URS

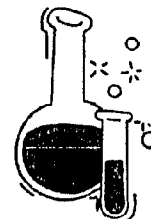
██████ - HD WELL

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 D	07-May-10	15:55
Fecal Strep	< 1	cfu/ 100 ml	SM <sub>20</sub> 9230 C	07-May-10	16:30

  
Virgil Runco  
Microbiology Supervisor

---

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 007058

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

May 12, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 07-May-10  
Time Sampled: 10:00  
Date Received: 07-May-10  
Time Received: 15:45  
Sampled by: A. Bayne/A. Mehalko/ URS

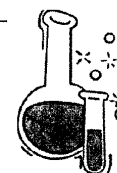
██████ - DW

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 D	07-May-10	15:55
Fecal Strep	< 1	cfu/ 100 ml	SM <sub>20</sub> 9230 C	07-May-10	16:30



Virgil Runco  
Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

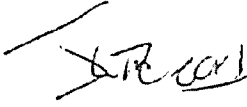
May 12, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

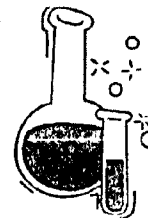
Date Sampled: 07-May-10  
Time Sampled: 9:40  
Date Received: 07-May-10  
Time Received: 15:45  
Sampled by: A. Bayne/A. Mehalko/ URS

██████ - DW

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 B	07-May-10	16:15
Fecal Coliform	< 1	cfu/ 100 ml	SM <sub>20</sub> 9222 D	07-May-10	15:55
Fecal Strep	< 1	cfu/ 100 ml	SM <sub>20</sub> 9230 C	07-May-10	16:30

  
Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 007060

# CHAIN OF CUSTODY

**Special Requirements**

PA DEP. --- ASTM --- TOLP

ACRA --- UST --- FORM U

FORM 42

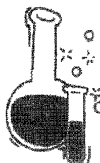
Other: \_\_\_\_\_

PH: \_\_\_\_\_ Temp: \_\_\_\_\_

TAT (R/S) 3 day NORMAL

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.  
Dickson City Industrial Park  
824 Enterprise Street  
Dickson City, PA 18519-1593



DW - Drinking Water SL - Sludge  
GW - Ground Water SO - So.  
SW - Surface Water HZ - Hazardous  
WW - Waste Water Other

Phone: (570) 489-6964 Page \_\_\_\_\_ of \_\_\_\_\_  
Fax: (570) 489-6965

Report to: James Pinta Cuscorp.com  
Andy - Pinta Cuscorp.com  
Amber Payne Cuscorp.com  
Contact: David Testa Cuscorp.com  
Phone: 412 503 4700 Fax: 412 503 4701  
Site: David - Testa Cuscorp.com  
U.S. Corporation  
501 Holladay Drive, Suite 300  
Pgh, PA 15220

PROJECT:	Location Sample Description	Date Sampled	Time Sampled	Matrix	# of Cont / Size	PRESV / Cont Type	ANALYSIS TO BE PERFORMED				Invoice #
							Grab / Composite	Total Coliform	Fecal Coliform	Fecal Strept	
	-DW	5-7-10	0940	W	3/100ml	P	G	X	X	X	Quantum ID 008-050710 009- 010- 011- 012- ✓
	-DW	5-7-10	1000	W	3/100ml	P	G	X	X	X	
	-H.D well	5-7-10	1045	W	3/100ml	P	G	X	X	X	
	-H.D well	5-7-10	1230	W	3/100ml	P	G	X	X	X	
	-P. tank	5-7-10	1145	W	3/100ml	P	G	X	X	X	

Comments: \_\_\_\_\_

Intact Containers ☒ N Within Holding Times ☒ N  
COC Complete ☒ N Labels Match COC ☒ N  
Properly Preserved ☒ N Rec'd on ice ☒ N

By: A. Bayne / A. Menalke / VKS Date: 5/7/10 Time: 1430  
By: Andy Date: 5/7/10 Time: 1545

CABOT-EPA 007061





Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

June 11, 2010

Mr. Jim Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

RE: Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on May 21, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com  
Project Manager

Enclosures

#### REPORT OF LABORATORY ANALYSIS

Page 1 of 58

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CABOT-EPA 007063



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## CERTIFICATIONS

Project: [REDACTED] 2H/4H  
Pace Project No : 3028135

### Pennsylvania Certification IDs

1638 Roseytown Road Suites 2,3&4 Greensburg, PA  
15601  
Wyoming Certification #: 8TMS-Q  
Wisconsin/PADEP Certification  
West Virginia Certification #: 143  
Washington Certification #: C1941  
Virginia Certification #: 00112  
Virgin Island/PADEP Certification  
Utah/NELAC Certification #: ANTE  
Texas/NELAC Certification #: T104704188-09 TX  
Tennessee Certification #: TN2867  
South Dakota Certification  
Puerto Rico Certification #: PA01457  
Pennsylvania/NELAC Certification #: 65-00282  
Oregon/NELAC Certification #: PA200002  
North Carolina Certification #: 42706  
New York/NELAC Certification #: 10888  
New Mexico Certification  
New Jersey/NELAC Certification #: PA 051  
New Hampshire/NELAC Certification #: 2976  
Nevada Certification  
Montana Certification #: Cert 0082  
Missouri Certification #: 235

Michigan/PADEP Certification  
Massachusetts Certification #: M-PA1457  
Maryland Certification #: 308  
Maine Certification #: PA0091  
Louisiana/NELAC Certification #: LA080002  
Louisiana/NELAC Certification #: 4086  
Kentucky Certification #: 90133  
Kansas/NELAC Certification #: E-10358  
Iowa Certification #: 391  
Indiana/PADEP Certification  
Illinois/PADEP Certification  
Idaho Certification  
Hawaii/PADEP Certification  
Guam/PADEP Certification  
Florida/NELAC Certification #: E87683  
Delaware Certification  
Connecticut Certification #: PH 0694  
Colorado Certification  
California/NELAC Certification #: 04222CA  
Arkansas Certification  
Arizona Certification #: AZ0734  
Alabama Certification #: 41590

## REPORT OF LABORATORY ANALYSIS

Page 2 of 58

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Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project. [REDACTED] 2H/4H  
Pace Project No.: 3028135

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3028135001	MW-2	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	RAA	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3028135002	MW-4	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	RAA	1	PASI-PA
3028135003	MW-1	EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
		EPA 8015B Modified	CWB	2	PASI-PA

### REPORT OF LABORATORY ANALYSIS

Page 3 of 58

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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-6600

### SAMPLE ANALYTE COUNT

Project. [REDACTED] 2H/4H  
Pace Project No.: 3028135

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	CTS	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	JAS	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	RAA	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3028135004	TRIP BLANK	EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 8260	JAS	54	PASI-PA

### REPORT OF LABORATORY ANALYSIS

Page 4 of 58

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CABOT-EPA 007066

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

Sample: MW-2		Lab ID: 3028135001	Collected: 05/20/10 13:00	Received: 05/21/10 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>								
Analytical Method: EPA 8015B Modified Preparation Method: EPA 3510								
Diesel Components	ND	mg/L	0.11	1	05/24/10 09:15	05/26/10 11:04		
o-Terphenyl (S)	72	%	50-150	1	05/24/10 09:15	05/26/10 11:04	84-15-1	
<b>Gasoline Range Organics</b>								
Analytical Method: EPA 5030/8015 Mod.								
TPH (C06-C10)	ND	ug/L	200	1		05/24/10 16:16		
4-Bromofluorobenzene (S)	96	%	70-130	1		05/24/10 16:16	460-00-4	
<b>6010 MET ICP</b>								
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	13000	ug/L	50.0	1	05/24/10 14:50	05/26/10 08:50	7429-90-5	
Antimony	ND	ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7440-36-0	
Arsenic	20.7	ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7440-38-2	
Barium	152	ug/L	10.0	1	05/24/10 14:50	05/26/10 08:50	7440-39-3	
Beryllium	ND	ug/L	1.0	1	05/24/10 14:50	05/26/10 08:50	7440-41-7	
Boron	ND	ug/L	50.0	1	05/24/10 14:50	05/26/10 08:50	7440-42-8	
Cadmium	ND	ug/L	1.0	1	05/24/10 14:50	05/26/10 08:50	7440-43-9	
Calcium	25000	ug/L	1000	1	05/24/10 14:50	05/26/10 08:50	7440-70-2	
Chromium	475	ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7440-47-3	
Cobalt	13.8	ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7440-48-4	
Copper	24.0	ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7440-50-8	
Iron	23000	ug/L	50.0	1	05/24/10 14:50	05/26/10 08:50	7439-89-6	
Lead	13.1	ug/L	2.0	1	05/24/10 14:50	05/26/10 08:50	7439-92-1	
Magnesium	7310	ug/L	200	1	05/24/10 14:50	05/26/10 08:50	7439-95-4	
Manganese	682	ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	05/24/10 14:50	05/26/10 08:50	7439-98-7	
Nickel	256	ug/L	10.0	1	05/24/10 14:50	05/26/10 08:50	7440-02-0	
Potassium	4350	ug/L	500	1	05/24/10 14:50	05/26/10 08:50	7440-09-7	
Selenium	ND	ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7782-49-2	
Silver	1.5	ug/L	1.0	1	05/24/10 14:50	05/26/10 08:50	7440-22-4	
Sodium	5770	ug/L	1000	1	05/24/10 14:50	05/26/10 08:50	7440-23-5	
Thallium	ND	ug/L	10.0	1	05/24/10 14:50	05/26/10 08:50	7440-28-0	
Vanadium	16.3	ug/L	5.0	1	05/24/10 14:50	05/26/10 08:50	7440-62-2	
Zinc	70.2	ug/L	10.0	1	05/24/10 14:50	05/26/10 08:50	7440-66-6	
<b>6010 MET ICP, Lab Filtered</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Aluminum, Dissolved	68.0	ug/L	50.0	1	05/24/10 14:48	05/25/10 19:59	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	05/24/10 14:48	05/25/10 19:59	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	05/24/10 14:48	05/25/10 19:59	7440-38-2	
Barium, Dissolved	33.5	ug/L	10.0	1	05/24/10 14:48	05/25/10 19:59	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	05/24/10 14:48	05/25/10 19:59	7440-41-7	
Boron, Dissolved	ND	ug/L	50.0	1	05/24/10 14:48	05/26/10 16:25	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	05/24/10 14:48	05/25/10 19:59	7440-43-9	
Calcium, Dissolved	24200	ug/L	1000	1	05/24/10 14:48	05/25/10 19:59	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	05/24/10 14:48	05/25/10 19:59	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	05/24/10 14:48	05/25/10 19:59	7440-48-4	
Copper, Dissolved	ND	ug/L	5.0	1	05/24/10 14:48	05/25/10 19:59	7440-50-8	
Iron, Dissolved	72.5	ug/L	50.0	1	05/24/10 14:48	05/25/10 19:59	7439-89-6	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project. [REDACTED] 2H/4H

Pace Project No : 3028135

Sample: MW-2		Lab ID: 3028135001	Collected 05/20/10 13 00	Received 05/21/10 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method EPA 3005						
Lead, Dissolved	ND ug/L		2.0	1	05/24/10 14:48	05/25/10 19:59	7439-92-1	
Magnesium, Dissolved	4180 ug/L		200	1	05/24/10 14:48	05/25/10 19:59	7439-95-4	
Manganese, Dissolved	161 ug/L		5.0	1	05/24/10 14:48	05/25/10 19:59	7439-96-5	
Molybdenum, Dissolved	ND ug/L		20.0	1	05/24/10 14:48	05/26/10 16:25	7439-98-7	
Nickel, Dissolved	ND ug/L		10.0	1	05/24/10 14:48	05/25/10 19:59	7440-02-0	
Potassium, Dissolved	1320 ug/L		500	1	05/24/10 14:48	05/25/10 19:59	7440-09-7	
Selenium, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 19:59	7782-49-2	
Silver, Dissolved	ND ug/L		1.0	1	05/24/10 14:48	05/25/10 19:59	7440-22-4	
Sodium, Dissolved	5850 ug/L		1000	1	05/24/10 14:48	05/25/10 19:59	7440-23-5	
Thallium, Dissolved	ND ug/L		10.0	1	05/24/10 14:48	05/25/10 19:59	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 19:59	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	05/24/10 14:48	05/25/10 19:59	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND ug/L		0.20	1	05/24/10 15:16	05/25/10 11:34	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND ug/L		0.20	1	05/24/10 15:14	05/25/10 11:26	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510						
Acenaphthene	ND ug/L		2.6	1	05/24/10 09:15	05/24/10 21:32	83-32-9	
Acenaphthylene	ND ug/L		2.6	1	05/24/10 09:15	05/24/10 21:32	208-96-8	
Anthracene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	120-12-7	
Benzo(a)anthracene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	56-55-3	
Benzo(a)pyrene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	191-24-2	
Benzo(k)fluoranthene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	207-08-9	
Chrysene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	53-70-3	
Fluoranthene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	206-44-0	
Fluorene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	193-39-5	
Naphthalene	ND ug/L		1.0	1	05/24/10 09:15	05/24/10 21:32	91-20-3	
Phenanthrene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	85-01-8	
Pyrene	ND ug/L		0.20	1	05/24/10 09:15	05/24/10 21:32	129-00-0	
Nitrobenzene-d5 (S)	55 %		35-114	1	05/24/10 09:15	05/24/10 21:32	4165-60-0	
2-Fluorobiphenyl (S)	53 %		43-116	1	05/24/10 09:15	05/24/10 21:32	321-60-8	
Terphenyl-d14 (S)	65 %		33-141	1	05/24/10 09:15	05/24/10 21:32	1718-51-0	
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
1,2,4-Trichlorobenzene	ND ug/L		1.0	1	05/24/10 09:15	05/24/10 15:50	120-82-1	
1,2-Dichlorobenzene	ND ug/L		1.0	1	05/24/10 09:15	05/24/10 15:50	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1	05/24/10 09:15	05/24/10 15:50	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1	05/24/10 09:15	05/24/10 15:50	106-46-7	
1-Methylnaphthalene	ND ug/L		1.0	1	05/24/10 09:15	05/24/10 15:50	90-12-0	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3028135

Sample: MW-2		Lab ID: 3028135001	Collected: 05/20/10 13:00	Received: 05/21/10 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
2,4,5-Trichlorophenol	ND	ug/L	2.6	1	05/24/10 09:15	05/24/10 15:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	105-67-9	
2,4-Dinitrophenol	ND	ug/L	2.6	1	05/24/10 09:15	05/24/10 15:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	91-58-7	
2-Chlorophenol	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	95-48-7	
2-Nitroaniline	ND	ug/L	2.6	1	05/24/10 09:15	05/24/10 15:50	88-74-4	
2-Nitrophenol	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	2.0	1	05/24/10 09:15	05/24/10 15:50		
3,3'-Dichlorobenzidine	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	91-94-1	
3-Nitroaniline	ND	ug/L	2.6	1	05/24/10 09:15	05/24/10 15:50	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	2.6	1	05/24/10 09:15	05/24/10 15:50	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	59-50-7	
4-Chloroaniline	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	7005-72-3	
4-Nitroaniline	ND	ug/L	2.6	1	05/24/10 09:15	05/24/10 15:50	100-01-6	
4-Nitrophenol	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	100-02-7	
Acenaphthene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	208-96-8	
Anthracene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	120-12-7	
Azobenzene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	103-33-3	
Benzo(a)anthracene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	56-55-3	
Benzo(a)pyrene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	207-08-9	
Benzoic acid	ND	ug/L	102	1	05/24/10 09:15	05/24/10 15:50	65-85-0	
Benzyl alcohol	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	100-51-6	
Butylbenzylphthalate	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	85-68-7	
Carbazole	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	86-74-8	
Chrysene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	53-70-3	
Dibenzofuran	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	131-11-3	
Fluoranthene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	206-44-0	
Fluorene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	87-68-3	
Hexachlorobenzene	ND	ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	118-74-1	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H

Pace Project No.: 3028135

Sample: MW-2 Lab ID: 3028135001 Collected: 05/20/10 13:00 Received: 05/21/10 13:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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**8270 MSSF Semivolatile Organic** Analytical Method: EPA 8270 Preparation Method EPA 3510

Hexachlorocyclopentadiene	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	77-47-4
Hexachloroethane	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	67-72-1
Indeno(1,2,3-cd)pyrene	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	193-39-5
Isophorone	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	78-59-1
N-Nitroso-di-n-propylamine	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	621-64-7
N-Nitrosodimethylamine	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	62-75-9
N-Nitrosodiphenylamine	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	86-30-6
Naphthalene	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	91-20-3
Nitrobenzene	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	98-95-3
Pentachlorophenol	ND ug/L	2.6	1	05/24/10 09:15	05/24/10 15:50	87-86-5
Phenanthrene	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	85-01-8
Phenol	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	108-95-2
Pyrene	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	129-00-0
bis(2-Chloroethoxy)methane	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	111-91-1
bis(2-Chloroethyl) ether	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	111-44-4
bis(2-Chloroisopropyl) ether	ND ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	108-60-1
bis(2-Ethylhexyl)phthalate	8.6 ug/L	1.0	1	05/24/10 09:15	05/24/10 15:50	117-81-7
Nitrobenzene-d5 (S)	42 %	35-114	1	05/24/10 09:15	05/24/10 15:50	4165-60-0
2-Fluorobiphenyl (S)	48 %	43-116	1	05/24/10 09:15	05/24/10 15:50	321-60-8
Terphenyl-d14 (S)	79 %	33-141	1	05/24/10 09:15	05/24/10 15:50	1718-51-0
Phenol-d6 (S)	16 %	10-110	1	05/24/10 09:15	05/24/10 15:50	13127-88-3
2-Fluorophenol (S)	31 %	21-110	1	05/24/10 09:15	05/24/10 15:50	367-12-4
2,4,6-Tribromophenol (S)	50 %	10-123	1	05/24/10 09:15	05/24/10 15:50	118-79-6

**8260 MSV**

Analytical Method EPA 8260

1,1,1-Trichloroethane	ND ug/L	1.0	1	05/24/10 18:34	71-55-6
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1	05/24/10 18:34	79-34-5
1,1,2-Trichloroethane	ND ug/L	1.0	1	05/24/10 18:34	79-00-5
1,1-Dichloroethane	ND ug/L	1.0	1	05/24/10 18:34	75-34-3
1,1-Dichloroethene	ND ug/L	1.0	1	05/24/10 18:34	75-35-4
1,2,4-Trichlorobenzene	ND ug/L	1.0	1	05/24/10 18:34	120-82-1
1,2,4-Trimethylbenzene	ND ug/L	1.0	1	05/24/10 18:34	95-63-6
1,2-Dichlorobenzene	ND ug/L	1.0	1	05/24/10 18:34	95-50-1
1,2-Dichloroethane	ND ug/L	1.0	1	05/24/10 18:34	107-06-2
1,2-Dichloroethene (Total)	ND ug/L	2.0	1	05/24/10 18:34	540-59-0
1,2-Dichloropropane	ND ug/L	1.0	1	05/24/10 18:34	78-87-5
1,3,5-Trimethylbenzene	ND ug/L	1.0	1	05/24/10 18:34	108-67-8
1,3-Dichlorobenzene	ND ug/L	1.0	1	05/24/10 18:34	541-73-1
1,4-Dichlorobenzene	ND ug/L	1.0	1	05/24/10 18:34	106-46-7
2-Butanone (MEK)	ND ug/L	10.0	1	05/24/10 18:34	78-93-3
2-Hexanone	ND ug/L	10.0	1	05/24/10 18:34	591-78-6
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1	05/24/10 18:34	108-10-1
Acetone	ND ug/L	10.0	1	05/24/10 18:34	67-64-1
Benzene	ND ug/L	1.0	1	05/24/10 18:34	71-43-2
Bromochloromethane	ND ug/L	1.0	1	05/24/10 18:34	74-97-5
Bromodichloromethane	ND ug/L	1.0	1	05/24/10 18:34	75-27-4
Bromoform	ND ug/L	1.0	1	05/24/10 18:34	75-25-2

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

Sample: MW-2	Lab ID: 3028135001	Collected: 05/20/10 13:00	Received: 05/21/10 13:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260								
Bromomethane	ND	ug/L	1.0	1		05/24/10 18:34	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		05/24/10 18:34	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/24/10 18:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/24/10 18:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/24/10 18:34	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/24/10 18:34	67-66-3	
Chloromethane	ND	ug/L	1.0	1		05/24/10 18:34	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		05/24/10 18:34	124-48-1	
Ethylbenzene	ND	ug/L	1.0	1		05/24/10 18:34	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/24/10 18:34	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/24/10 18:34	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		05/24/10 18:34	75-09-2	
Naphthalene	ND	ug/L	2.0	1		05/24/10 18:34	91-20-3	
Styrene	ND	ug/L	1.0	1		05/24/10 18:34	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/24/10 18:34	127-18-4	
Toluene	ND	ug/L	1.0	1		05/24/10 18:34	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		05/24/10 18:34	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		05/24/10 18:34	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/24/10 18:34	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/24/10 18:34	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		05/24/10 18:34	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		05/24/10 18:34	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/24/10 18:34	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/24/10 18:34	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/24/10 18:34	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/24/10 18:34	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/24/10 18:34	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/24/10 18:34	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/24/10 18:34	10061-02-6	
4-Bromofluorobenzene (S)	71	%	70-130	1		05/24/10 18:34	460-00-4	
1,2-Dichloroethane-d4 (S)	122	%	70-130	1		05/24/10 18:34	17060-07-0	
Toluene-d8 (S)	78	%	70-130	1		05/24/10 18:34	2037-26-5	
HEM, Oil and Grease Analytical Method: EPA 1664A								
Oil and Grease	ND	mg/L	4.9	1		05/25/10 17:51		
1664 SGT-HEM, TPH Analytical Method: EPA 1664A								
Total Petroleum Hydrocarbons	ND	mg/L	4.9	1		05/25/10 17:59		
2310B Acidity, Total Analytical Method: SM 2310B								
Acidity, Total	ND	mg/L	10.0	1		05/24/10 21:00		
2320B Alkalinity Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	54.0	mg/L	10.0	1		05/24/10 19:20		

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CABOT-EPA 007071



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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

Sample: MW-2		Lab ID: 3028135001	Collected: 05/20/10 13:00	Received: 05/21/10 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>	Analytical Method: SM 2540C							
Total Dissolved Solids	92.0	mg/L	10.0	1		05/25/10 17:30		
<b>4500H+ pH, Electrometric</b>	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.0	Std. Units	1.0	1		05/21/10 20:15		H6
<b>5540C MBAS Surfactants</b>	Analytical Method: SM 5540C							
Surfactants	ND	mg/L	0.10	1		05/21/10 21:00		
<b>350.1 Ammonia, Distilled</b>	Analytical Method: EPA 350.1							
Ammonia, Distilled	ND	mg/L	0.10	1		05/26/10 12:46		
<b>4500 Chloride</b>	Analytical Method: SM 4500-Cl-E							
Chloride	12.5	mg/L	3.0	1		05/25/10 11:07	16887-00-6	

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## ANALYTICAL RESULTS

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

Sample: MW-4		Lab ID: 3028135002	Collected: 05/20/10 14:00	Received: 05/21/10 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015B Modified Preparation Method: EPA 3510								
Diesel Components	0.20 mg/L		0.10	1	05/24/10 09:15	05/26/10 11:12		
o-Terphenyl (S)	68 %		50-150	1	05/24/10 09:15	05/26/10 11:12	84-15-1	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod								
TPH (C06-C10)	ND ug/L		200	1		05/24/10 16:33		
4-Bromofluorobenzene (S)	93 %		70-130	1		05/24/10 16:33	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	7390 ug/L		50.0	1	05/24/10 14:50	05/26/10 08:56	7429-90-5	
Antimony	ND ug/L		5.0	1	05/24/10 14:50	05/26/10 08:56	7440-36-0	
Arsenic	29.0 ug/L		5.0	1	05/24/10 14:50	05/26/10 08:56	7440-38-2	
Barium	76.0 ug/L		10.0	1	05/24/10 14:50	05/26/10 08:56	7440-39-3	
Beryllium	ND ug/L		1.0	1	05/24/10 14:50	05/26/10 08:56	7440-41-7	
Boron	ND ug/L		50.0	1	05/24/10 14:50	05/26/10 08:56	7440-42-8	
Cadmium	ND ug/L		1.0	1	05/24/10 14:50	05/26/10 08:56	7440-43-9	
Calcium	21600 ug/L		1000	1	05/24/10 14:50	05/26/10 08:56	7440-70-2	
Chromium	27.7 ug/L		5.0	1	05/24/10 14:50	05/26/10 08:56	7440-47-3	
Cobalt	9.4 ug/L		5.0	1	05/24/10 14:50	05/26/10 08:56	7440-48-4	
Copper	11.7 ug/L		5.0	1	05/24/10 14:50	05/26/10 08:56	7440-50-8	
Iron	15300 ug/L		50.0	1	05/24/10 14:50	05/26/10 08:56	7439-89-6	
Lead	14.8 ug/L		2.0	1	05/24/10 14:50	05/26/10 08:56	7439-92-1	
Magnesium	5800 ug/L		200	1	05/24/10 14:50	05/26/10 08:56	7439-95-4	
Manganese	775 ug/L		5.0	1	05/24/10 14:50	05/26/10 08:56	7439-96-5	
Molybdenum	ND ug/L		20.0	1	05/24/10 14:50	05/26/10 08:56	7439-98-7	
Nickel	26.6 ug/L		10.0	1	05/24/10 14:50	05/26/10 08:56	7440-02-0	
Potassium	3840 ug/L		500	1	05/24/10 14:50	05/26/10 08:56	7440-09-7	
Selenium	ND ug/L		5.0	1	05/24/10 14:50	05/26/10 08:56	7782-49-2	
Silver	ND ug/L		1.0	1	05/24/10 14:50	05/26/10 08:56	7440-22-4	
Sodium	3370 ug/L		1000	1	05/24/10 14:50	05/26/10 08:56	7440-23-5	
Thallium	ND ug/L		10.0	1	05/24/10 14:50	05/26/10 08:56	7440-28-0	
Vanadium	10.3 ug/L		5.0	1	05/24/10 14:50	05/26/10 08:56	7440-62-2	
Zinc	42.6 ug/L		10.0	1	05/24/10 14:50	05/26/10 08:56	7440-66-6	
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Aluminum, Dissolved	ND ug/L		50.0	1	05/24/10 14:48	05/25/10 20:04	7429-90-5	
Antimony, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:04	7440-36-0	
Arsenic, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:04	7440-38-2	
Barium, Dissolved	15.4 ug/L		10.0	1	05/24/10 14:48	05/25/10 20:04	7440-39-3	
Beryllium, Dissolved	ND ug/L		1.0	1	05/24/10 14:48	05/25/10 20:04	7440-41-7	
Boron, Dissolved	ND ug/L		50.0	1	05/24/10 14:48	05/26/10 16:29	7440-42-8	
Cadmium, Dissolved	ND ug/L		1.0	1	05/24/10 14:48	05/25/10 20:04	7440-43-9	
Calcium, Dissolved	19000 ug/L		1000	1	05/24/10 14:48	05/25/10 20:04	7440-70-2	
Chromium, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:04	7440-47-3	
Cobalt, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:04	7440-48-4	
Copper, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:04	7440-50-8	
Iron, Dissolved	ND ug/L		50.0	1	05/24/10 14:48	05/25/10 20:04	7439-89-6	

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## ANALYTICAL RESULTS

Project: 2H/4H  
Pace Project No.: 3028135

Sample: MW-4	Lab ID: 3028135002	Collected 05/20/10 14:00	Received 05/21/10 13:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Lead, Dissolved	ND ug/L		2.0	1	05/24/10 14:48	05/25/10 20:04	7439-92-1	
Magnesium, Dissolved	3260 ug/L		200	1	05/24/10 14:48	05/25/10 20:04	7439-95-4	
Manganese, Dissolved	287 ug/L		5.0	1	05/24/10 14:48	05/25/10 20:04	7439-96-5	
Molybdenum, Dissolved	ND ug/L		20.0	1	05/24/10 14:48	05/26/10 16:29	7439-98-7	
Nickel, Dissolved	ND ug/L		10.0	1	05/24/10 14:48	05/25/10 20:04	7440-02-0	
Potassium, Dissolved	1460 ug/L		500	1	05/24/10 14:48	05/25/10 20:04	7440-09-7	
Selenium, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:04	7782-49-2	
Silver, Dissolved	ND ug/L		1.0	1	05/24/10 14:48	05/25/10 20:04	7440-22-4	
Sodium, Dissolved	3300 ug/L		1000	1	05/24/10 14:48	05/25/10 20:04	7440-23-5	
Thallium, Dissolved	ND ug/L		10.0	1	05/24/10 14:48	05/25/10 20:04	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:04	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	05/24/10 14:48	05/25/10 20:04	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	05/24/10 15:16	05/25/10 11:35	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND ug/L		0.20	1	05/24/10 15:14	05/25/10 11:30	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		2.8	1	05/24/10 09:15	05/24/10 21:58	83-32-9	
Acenaphthylene	ND ug/L		2.8	1	05/24/10 09:15	05/24/10 21:58	208-96-8	
Anthracene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	120-12-7	
Benzo(a)anthracene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	56-55-3	
Benzo(a)pyrene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	191-24-2	
Benzo(k)fluoranthene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	207-08-9	
Chrysene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	53-70-3	
Fluoranthene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	206-44-0	
Fluorene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	193-39-5	
Naphthalene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 21:58	91-20-3	
Phenanthrene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	85-01-8	
Pyrene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 21:58	129-00-0	
Nitrobenzene-d5 (S)	59 %		35-114	1	05/24/10 09:15	05/24/10 21:58	4165-60-0	
2-Fluorobiphenyl (S)	54 %		43-116	1	05/24/10 09:15	05/24/10 21:58	321-60-8	
Terphenyl-d14 (S)	79 %		33-141	1	05/24/10 09:15	05/24/10 21:58	1718-51-0	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:13	120-82-1	
1,2-Dichlorobenzene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:13	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:13	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:13	106-46-7	
1-Methylnaphthalene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:13	90-12-0	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

Sample: MW-4	Lab ID: 3028135002	Collected: 05/20/10 14:00	Received: 05/21/10 13:15	Matrix	Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4,5-Trichlorophenol	ND	ug/L	2.8	1	05/24/10 09:15	05/24/10 16:13	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	105-67-9	
2,4-Dinitrophenol	ND	ug/L	2.8	1	05/24/10 09:15	05/24/10 16:13	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	91-58-7	
2-Chlorophenol	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	95-48-7	
2-Nitroaniline	ND	ug/L	2.8	1	05/24/10 09:15	05/24/10 16:13	88-74-4	
2-Nitrophenol	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	2.2	1	05/24/10 09:15	05/24/10 16:13		
3,3'-Dichlorobenzidine	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	91-94-1	
3-Nitroaniline	ND	ug/L	2.8	1	05/24/10 09:15	05/24/10 16:13	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	2.8	1	05/24/10 09:15	05/24/10 16:13	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	59-50-7	
4-Chloroaniline	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	7005-72-3	
4-Nitroaniline	ND	ug/L	2.8	1	05/24/10 09:15	05/24/10 16:13	100-01-6	
4-Nitrophenol	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	100-02-7	
Acenaphthene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	83-32-9	
Acenaphthylene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	208-96-8	
Anthracene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	120-12-7	
Azobenzene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	103-33-3	
Benzo(a)anthracene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	56-55-3	
Benzo(a)pyrene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	207-08-9	
Benzoic acid	ND	ug/L	112	1	05/24/10 09:15	05/24/10 16:13	65-85-0	
Benzyl alcohol	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	100-51-6	
Butylbenzylphthalate	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	85-68-7	
Carbazole	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	86-74-8	
Chrysene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	53-70-3	
Dibenzofuran	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	132-64-9	
Diethylphthalate	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	84-66-2	
Dimethylphthalate	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	131-11-3	
Fluoranthene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	206-44-0	
Fluorene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	87-68-3	
Hexachlorobenzene	ND	ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	118-74-1	

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(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

Sample: MW-4 Lab ID: 3028135002 Collected: 05/20/10 14:00 Received: 05/21/10 13:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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### 8270 MSSV Semivolatile Organic

Analytical Method: EPA 8270 Preparation Method: EPA 3510

Hexachlorocyclopentadiene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	77-47-4
Hexachloroethane	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	67-72-1
Indeno(1,2,3-cd)pyrene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	193-39-5
Isophorone	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	78-59-1
N-Nitroso-di-n-propylamine	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	621-64-7
N-Nitrosodimethylamine	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	62-75-9
N-Nitrosodiphenylamine	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	86-30-6
Naphthalene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	91-20-3
Nitrobenzene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	98-95-3
Pentachlorophenol	ND ug/L	2.8	1	05/24/10 09:15	05/24/10 16:13	87-86-5
Phenanthrene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	85-01-8
Phenol	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	108-95-2
Pyrene	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	129-00-0
bis(2-Chloroethoxy)methane	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	111-91-1
bis(2-Chloroethyl) ether	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	111-44-4
bis(2-Chloroisopropyl) ether	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	108-60-1
bis(2-Ethylhexyl)phthalate	ND ug/L	1.1	1	05/24/10 09:15	05/24/10 16:13	117-81-7
Nitrobenzene-d5 (S)	44 %	35-114	1	05/24/10 09:15	05/24/10 16:13	4165-60-0
2-Fluorobiphenyl (S)	49 %	43-116	1	05/24/10 09:15	05/24/10 16:13	321-60-8
Terphenyl-d14 (S)	75 %	33-141	1	05/24/10 09:15	05/24/10 16:13	1718-51-0
Phenol-d6 (S)	20 %	10-110	1	05/24/10 09:15	05/24/10 16:13	13127-88-3
2-Fluorophenol (S)	32 %	21-110	1	05/24/10 09:15	05/24/10 16:13	367-12-4
2,4,6-Tribromophenol (S)	56 %	10-123	1	05/24/10 09:15	05/24/10 16:13	118-79-6

### 8260 MSV

Analytical Method EPA 8260

1,1,1-Trichloroethane	ND ug/L	1.0	1	05/24/10 19:00	71-55-6
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1	05/24/10 19:00	79-34-5
1,1,2-Trichloroethane	ND ug/L	1.0	1	05/24/10 19:00	79-00-5
1,1-Dichloroethane	ND ug/L	1.0	1	05/24/10 19:00	75-34-3
1,1-Dichloroethene	ND ug/L	1.0	1	05/24/10 19:00	75-35-4
1,2,4-Trichlorobenzene	ND ug/L	1.0	1	05/24/10 19:00	120-82-1
1,2,4-Trimethylbenzene	ND ug/L	1.0	1	05/24/10 19:00	95-63-6
1,2-Dichlorobenzene	ND ug/L	1.0	1	05/24/10 19:00	95-50-1
1,2-Dichloroethane	ND ug/L	1.0	1	05/24/10 19:00	107-06-2
1,2-Dichloroethene (Total)	ND ug/L	2.0	1	05/24/10 19:00	540-59-0
1,2-Dichloropropane	ND ug/L	1.0	1	05/24/10 19:00	78-87-5
1,3,5-Trimethylbenzene	ND ug/L	1.0	1	05/24/10 19:00	108-67-8
1,3-Dichlorobenzene	ND ug/L	1.0	1	05/24/10 19:00	541-73-1
1,4-Dichlorobenzene	ND ug/L	1.0	1	05/24/10 19:00	106-46-7
2-Butanone (MEK)	ND ug/L	10.0	1	05/24/10 19:00	78-93-3
2-Hexanone	ND ug/L	10.0	1	05/24/10 19:00	591-78-6
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1	05/24/10 19:00	108-10-1
Acetone	ND ug/L	10.0	1	05/24/10 19:00	67-64-1
Benzene	ND ug/L	1.0	1	05/24/10 19:00	71-43-2
Bromochloromethane	ND ug/L	1.0	1	05/24/10 19:00	74-97-5
Bromodichloromethane	ND ug/L	1.0	1	05/24/10 19:00	75-27-4
Bromoform	ND ug/L	1.0	1	05/24/10 19:00	75-25-2

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

Sample: MW-4		Lab ID: 3028135002	Collected: 05/20/10 14:00	Received: 05/21/10 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Bromomethane	ND ug/L		1.0	1		05/24/10 19:00	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/24/10 19:00	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/24/10 19:00	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/24/10 19:00	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/24/10 19:00	75-00-3	
Chloroform	ND ug/L		1.0	1		05/24/10 19:00	67-66-3	
Chloromethane	ND ug/L		1.0	1		05/24/10 19:00	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		05/24/10 19:00	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		05/24/10 19:00	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/24/10 19:00	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/24/10 19:00	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		05/24/10 19:00	75-09-2	
Naphthalene	ND ug/L		2.0	1		05/24/10 19:00	91-20-3	
Styrene	ND ug/L		1.0	1		05/24/10 19:00	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		05/24/10 19:00	127-18-4	
Toluene	ND ug/L		1.0	1		05/24/10 19:00	108-88-3	
Trichloroethene	ND ug/L		1.0	1		05/24/10 19:00	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		05/24/10 19:00	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		05/24/10 19:00	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		05/24/10 19:00	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		05/24/10 19:00	10061-01-5	
m&p-Xylene	ND ug/L		2.0	1		05/24/10 19:00	179601-23-1	
n-Butylbenzene	ND ug/L		1.0	1		05/24/10 19:00	104-51-8	
n-Propylbenzene	ND ug/L		1.0	1		05/24/10 19:00	103-65-1	
o-Xylene	ND ug/L		1.0	1		05/24/10 19:00	95-47-6	
p-Isopropyltoluene	ND ug/L		1.0	1		05/24/10 19:00	99-87-6	
sec-Butylbenzene	ND ug/L		1.0	1		05/24/10 19:00	135-98-8	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		05/24/10 19:00	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		05/24/10 19:00	10061-02-6	
4-Bromofluorobenzene (S)	71 %		70-130	1		05/24/10 19:00	460-00-4	
1,2-Dichloroethane-d4 (S)	123 %		70-130	1		05/24/10 19:00	17060-07-0	
Toluene-d8 (S)	78 %		70-130	1		05/24/10 19:00	2037-26-5	
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	ND mg/L		4.8	1		05/25/10 17:51		
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND mg/L		4.8	1		05/25/10 17:59		
2310B Acidity, Total		Analytical Method: SM 2310B						
Acidity, Total	ND mg/L		10.0	1		05/24/10 21:00		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	58.0 mg/L		10.0	1		05/24/10 19:20		

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## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3028135

Sample: MW-4		Lab ID: 3028135002	Collected: 05/20/10 14:00	Received: 05/21/10 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM 2540C							
Total Dissolved Solids	50.0	mg/L	10.0	1		05/25/10 17:30		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	6.6	Std. Units	1.0	1		05/21/10 20:15		H6
5540C MBAS Surfactants	Analytical Method: SM 5540C							
Surfactants	ND	mg/L	0.10	1		05/21/10 21:00		
350.1 Ammonia, Distilled	Analytical Method: EPA 350.1							
Ammonia, Distilled	ND	mg/L	0.10	1		05/26/10 12:47		
4500 Chloride	Analytical Method: SM 4500-Cl-E							
Chloride	6.6	mg/L	3.0	1		05/25/10 11:07	16887-00-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

Sample: MW-1 Lab ID: 3028135003 Collected: 05/20/10 15:45 Received: 05/21/10 13:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
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### 8015 GCS THC-Diesel

Analytical Method: EPA 8015B Modified Preparation Method: EPA 3510

Diesel Components	0.14 mg/L		0.11	1	05/24/10 09:15	05/26/10 11:20		
o-Terphenyl (S)	86 %		50-150	1	05/24/10 09:15	05/26/10 11:20	84-15-1	

### Gasoline Range Organics

Analytical Method: EPA 5030/8015 Mod.

TPH (C06-C10)	ND ug/L		200	1		05/24/10 16:49		
4-Bromofluorobenzene (S)	90 %		70-130	1		05/24/10 16:49	460-00-4	

### 6010 MET ICP

Analytical Method: EPA 6010B Preparation Method: EPA 3005

Aluminum	2510 ug/L		50.0	1	05/24/10 14:50	05/26/10 09:20	7429-90-5	
Antimony	ND ug/L		5.0	1	05/24/10 14:50	05/26/10 09:20	7440-36-0	
Arsenic	5.3 ug/L		5.0	1	05/24/10 14:50	05/26/10 09:20	7440-38-2	
Barium	143 ug/L		10.0	1	05/24/10 14:50	05/26/10 09:20	7440-39-3	
Beryllium	ND ug/L		1.0	1	05/24/10 14:50	05/26/10 09:20	7440-41-7	
Boron	ND ug/L		50.0	1	05/24/10 14:50	05/26/10 09:20	7440-42-8	
Cadmium	ND ug/L		1.0	1	05/24/10 14:50	05/26/10 09:20	7440-43-9	
Calcium	37200 ug/L		1000	1	05/24/10 14:50	05/26/10 09:20	7440-70-2	
Chromium	ND ug/L		5.0	1	05/24/10 14:50	05/26/10 09:20	7440-47-3	
Cobalt	ND ug/L		5.0	1	05/24/10 14:50	05/26/10 09:20	7440-48-4	
Copper	ND ug/L		5.0	1	05/24/10 14:50	05/26/10 09:20	7440-50-8	
Iron	3010 ug/L		50.0	1	05/24/10 14:50	05/26/10 09:20	7439-89-6	
Lead	2.4 ug/L		2.0	1	05/24/10 14:50	05/26/10 09:20	7439-92-1	
Magnesium	7950 ug/L		200	1	05/24/10 14:50	05/26/10 09:20	7439-95-4	
Manganese	125 ug/L		5.0	1	05/24/10 14:50	05/26/10 09:20	7439-96-5	
Molybdenum	ND ug/L		20.0	1	05/24/10 14:50	05/26/10 09:20	7439-98-7	
Nickel	ND ug/L		10.0	1	05/24/10 14:50	05/26/10 09:20	7440-02-0	
Potassium	2680 ug/L		500	1	05/24/10 14:50	05/26/10 09:20	7440-09-7	
Selenium	ND ug/L		5.0	1	05/24/10 14:50	05/26/10 09:20	7782-49-2	
Silver	ND ug/L		1.0	1	05/24/10 14:50	05/26/10 09:20	7440-22-4	
Sodium	6370 ug/L		1000	1	05/24/10 14:50	05/26/10 09:20	7440-23-5	
Thallium	ND ug/L		10.0	1	05/24/10 14:50	05/26/10 09:20	7440-28-0	
Vanadium	ND ug/L		5.0	1	05/24/10 14:50	05/26/10 09:20	7440-62-2	
Zinc	10.3 ug/L		10.0	1	05/24/10 14:50	05/26/10 09:20	7440-66-6	

### 6010 MET ICP, Lab Filtered

Analytical Method: EPA 6010 Preparation Method: EPA 3005

Aluminum, Dissolved	ND ug/L		50.0	1	05/24/10 14:48	05/25/10 20:08	7429-90-5	
Antimony, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:08	7440-36-0	
Arsenic, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:08	7440-38-2	
Barium, Dissolved	86.4 ug/L		10.0	1	05/24/10 14:48	05/25/10 20:08	7440-39-3	
Beryllium, Dissolved	ND ug/L		1.0	1	05/24/10 14:48	05/25/10 20:08	7440-41-7	
Boron, Dissolved	ND ug/L		50.0	1	05/24/10 14:48	05/26/10 16:34	7440-42-8	
Cadmium, Dissolved	ND ug/L		1.0	1	05/24/10 14:48	05/25/10 20:08	7440-43-9	
Calcium, Dissolved	37800 ug/L		1000	1	05/24/10 14:48	05/25/10 20:08	7440-70-2	
Chromium, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:08	7440-47-3	
Cobalt, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:08	7440-48-4	
Copper, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:08	7440-50-8	
Iron, Dissolved	ND ug/L		50.0	1	05/24/10 14:48	05/25/10 20:08	7439-89-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

Sample: MW-1	Lab ID: 3028135003	Collected: 05/20/10 15 45	Received: 05/21/10 13:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Lead, Dissolved	ND ug/L		2.0	1	05/24/10 14:48	05/25/10 20:08	7439-92-1	
Magnesium, Dissolved	7260 ug/L		200	1	05/24/10 14:48	05/25/10 20:08	7439-95-4	
Manganese, Dissolved	82.0 ug/L		5.0	1	05/24/10 14:48	05/25/10 20:08	7439-96-5	
Molybdenum, Dissolved	ND ug/L		20.0	1	05/24/10 14:48	05/26/10 16:34	7439-98-7	
Nickel, Dissolved	ND ug/L		10.0	1	05/24/10 14:48	05/25/10 20:08	7440-02-0	
Potassium, Dissolved	1720 ug/L		500	1	05/24/10 14:48	05/25/10 20:08	7440-09-7	
Selenium, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:08	7782-49-2	
Silver, Dissolved	ND ug/L		1.0	1	05/24/10 14:48	05/25/10 20:08	7440-22-4	
Sodium, Dissolved	6840 ug/L		1000	1	05/24/10 14:48	05/25/10 20:08	7440-23-5	
Thallium, Dissolved	ND ug/L		10.0	1	05/24/10 14:48	05/25/10 20:08	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	05/24/10 14:48	05/25/10 20:08	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	05/24/10 14:48	05/25/10 20:08	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	05/24/10 15:16	05/25/10 11:37	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND ug/L		0.20	1	05/24/10 15:14	05/25/10 11:32	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		2.8	1	05/24/10 09:15	05/24/10 22:24	83-32-9	
Acenaphthylene	ND ug/L		2.8	1	05/24/10 09:15	05/24/10 22:24	208-96-8	
Anthracene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	120-12-7	
Benzo(a)anthracene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	56-55-3	
Benzo(a)pyrene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	191-24-2	
Benzo(k)fluoranthene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	207-08-9	
Chrysene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	53-70-3	
Fluoranthene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	206-44-0	
Fluorene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	193-39-5	
Naphthalene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 22:24	91-20-3	
Phenanthrene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	85-01-8	
Pyrene	ND ug/L		0.22	1	05/24/10 09:15	05/24/10 22:24	129-00-0	
Nitrobenzene-d5 (S)	81 %		35-114	1	05/24/10 09:15	05/24/10 22:24	4165-60-0	
2-Fluorobiphenyl (S)	78 %		43-116	1	05/24/10 09:15	05/24/10 22:24	321-60-8	
Terphenyl-d14 (S)	79 %		33-141	1	05/24/10 09:15	05/24/10 22:24	1718-51-0	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	120-82-1	
1,2-Dichlorobenzene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	106-46-7	
1-Methylnaphthalene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	90-12-0	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3028135

Sample: MW-1		Lab ID: 3028135003	Collected: 05/20/10 15:45	Received: 05/21/10 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
2,4,5-Trichlorophenol	ND ug/L		2.8	1	05/24/10 09:15	05/24/10 16:35	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	88-06-2	
2,4-Dichlorophenol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	120-83-2	
2,4-Dimethylphenol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	105-67-9	
2,4-Dinitrophenol	ND ug/L		2.8	1	05/24/10 09:15	05/24/10 16:35	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	606-20-2	
2-Chloronaphthalene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	95-57-8	
2-Methylnaphthalene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	95-48-7	
2-Nitroaniline	ND ug/L		2.8	1	05/24/10 09:15	05/24/10 16:35	88-74-4	
2-Nitrophenol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND ug/L		2.2	1	05/24/10 09:15	05/24/10 16:35		
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	91-94-1	
3-Nitroaniline	ND ug/L		2.8	1	05/24/10 09:15	05/24/10 16:35	99-09-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.8	1	05/24/10 09:15	05/24/10 16:35	534-52-1	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	101-55-3	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	106-47-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	7005-72-3	
4-Nitroaniline	ND ug/L		2.8	1	05/24/10 09:15	05/24/10 16:35	100-01-6	
4-Nitrophenol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	100-02-7	
Acenaphthene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	83-32-9	
Acenaphthylene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	208-96-8	
Anthracene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	120-12-7	
Azobenzene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	103-33-3	
Benzo(a)anthracene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	56-55-3	
Benzo(a)pyrene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	207-08-9	
Benzoic acid	ND ug/L		112	1	05/24/10 09:15	05/24/10 16:35	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	100-51-6	
Butylbenzylphthalate	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	85-68-7	
Carbazole	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	86-74-8	
Chrysene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	218-01-9	
Di-n-butylphthalate	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	84-74-2	
Di-n-octylphthalate	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	117-84-0	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	132-64-9	
Diethylphthalate	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	84-66-2	
Dimethylphthalate	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	131-11-3	
Fluoranthene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	206-44-0	
Fluorene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	118-74-1	

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(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3028135

Sample: MW-1	Lab ID: 3028135003	Collected: 05/20/10 15.45	Received: 05/21/10 13 15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Hexachlorocyclopentadiene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	193-39-5	
Isophorone	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	78-59-1	
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	621-64-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	62-75-9	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	86-30-6	
Naphthalene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	91-20-3	
Nitrobenzene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	98-95-3	
Pentachlorophenol	ND ug/L		2.8	1	05/24/10 09 15	05/24/10 16:35	87-86-5	
Phenanthrene	ND ug/L		1.1	1	05/24/10 09 15	05/24/10 16:35	85-01-8	
Phenol	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	108-95-2	
Pyrene	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	129-00-0	
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	05/24/10 09 15	05/24/10 16:35	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	108-60-1	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	05/24/10 09:15	05/24/10 16:35	117-81-7	
Nitrobenzene-d5 (S)	63 %		35-114	1	05/24/10 09:15	05/24/10 16:35	4165-60-0	
2-Fluorobiphenyl (S)	69 %		43-116	1	05/24/10 09:15	05/24/10 16 35	321-60-8	
Terphenyl-d14 (S)	97 %		33-141	1	05/24/10 09:15	05/24/10 16:35	1718-51-0	
Phenol-d6 (S)	27 %		10-110	1	05/24/10 09:15	05/24/10 16:35	13127-88-3	
2-Fluorophenol (S)	41 %		21-110	1	05/24/10 09:15	05/24/10 16:35	367-12-4	
2,4,6-Tribromophenol (S)	78 %		10-123	1	05/24/10 09:15	05/24/10 16:35	118-79-6	
<b>8260 MSV</b> Analytical Method: EPA 8260								
1,1,1-Trichloroethane	ND ug/L		1.0	1		05/24/10 19:26	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		05/24/10 19:26	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		05/24/10 19:26	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		05/24/10 19:26	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		05/24/10 19:26	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		05/24/10 19:26	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		05/24/10 19:26	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		05/24/10 19:26	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		05/24/10 19:26	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		05/24/10 19:26	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		05/24/10 19:26	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		05/24/10 19:26	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		05/24/10 19:26	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		05/24/10 19 26	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		05/24/10 19:26	78-93-3	
2-Hexanone	ND ug/L		10.0	1		05/24/10 19:26	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		05/24/10 19:26	108-10-1	
Acetone	ND ug/L		10.0	1		05/24/10 19:26	67-64-1	
Benzene	ND ug/L		1.0	1		05/24/10 19:26	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		05/24/10 19:26	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		05/24/10 19:26	75-27-4	
Bromoform	ND ug/L		1.0	1		05/24/10 19:26	75-25-2	

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## ANALYTICAL RESULTS

Project: 2H/4H  
Pace Project No.: 3028135

Sample: MW-1	Lab ID: 3028135003	Collected: 05/20/10 15:45	Received: 05/21/10 13:15	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b> Analytical Method: EPA 8260								
Bromomethane	ND ug/L		1.0	1		05/24/10 19:26	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		05/24/10 19:26	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		05/24/10 19:26	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		05/24/10 19:26	108-90-7	
Chloroethane	ND ug/L		1.0	1		05/24/10 19:26	75-00-3	
Chloroform	ND ug/L		1.0	1		05/24/10 19:26	67-66-3	
Chloromethane	ND ug/L		1.0	1		05/24/10 19:26	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		05/24/10 19:26	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		05/24/10 19:26	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		05/24/10 19:26	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		05/24/10 19:26	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		05/24/10 19:26	75-09-2	
Naphthalene	ND ug/L		2.0	1		05/24/10 19:26	91-20-3	
Styrene	ND ug/L		1.0	1		05/24/10 19:26	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		05/24/10 19:26	127-18-4	
Toluene	ND ug/L		1.0	1		05/24/10 19:26	108-88-3	
Trichloroethene	ND ug/L		1.0	1		05/24/10 19:26	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		05/24/10 19:26	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		05/24/10 19:26	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		05/24/10 19:26	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		05/24/10 19:26	10061-01-5	
m&p-Xylene	ND ug/L		2.0	1		05/24/10 19:26	179601-23-1	
n-Butylbenzene	ND ug/L		1.0	1		05/24/10 19:26	104-51-8	
n-Propylbenzene	ND ug/L		1.0	1		05/24/10 19:26	103-65-1	
o-Xylene	ND ug/L		1.0	1		05/24/10 19:26	95-47-6	
p-Isopropyltoluene	ND ug/L		1.0	1		05/24/10 19:26	99-87-6	
sec-Butylbenzene	ND ug/L		1.0	1		05/24/10 19:26	135-98-8	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		05/24/10 19:26	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		05/24/10 19:26	10061-02-6	
4-Bromofluorobenzene (S)	67 %		70-130	1		05/24/10 19:26	460-00-4	
1,2-Dichloroethane-d4 (S)	119 %		70-130	1		05/24/10 19:26	17060-07-0	
Toluene-d8 (S)	77 %		70-130	1		05/24/10 19:26	2037-26-5	
<b>HEM, Oil and Grease</b> Analytical Method: EPA 1664A								
Oil and Grease	ND mg/L		4.8	1		05/25/10 17:51		
<b>1664 SGT-HEM, TPH</b> Analytical Method: EPA 1664A								
Total Petroleum Hydrocarbons	ND mg/L		4.8	1		05/25/10 17:59		
<b>2310B Acidity, Total</b> Analytical Method: SM 2310B								
Acidity, Total	ND mg/L		10.0	1		05/24/10 21:00		
<b>2320B Alkalinity</b> Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	88.0 mg/L		10.0	1		05/24/10 19:20		

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## ANALYTICAL RESULTS

Project XXXXXXXXXX 2H/4H  
Pace Project No : 3028135

<b>Sample: MW-1</b>		<b>Lab ID: 3028135003</b>	Collected: 05/20/10 15:45	Received: 05/21/10 13:15	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>	Analytical Method: SM 2540C							
Total Dissolved Solids	138	mg/L	10.0	1		05/25/10 17:30		
<b>4500H+ pH, Electrometric</b>	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.0	Std. Units	1.0	1		05/21/10 20:15		H6
<b>5540C MBAS Surfactants</b>	Analytical Method: SM 5540C							
Surfactants	0.11	mg/L	0.10	1		05/21/10 21:00		
<b>350.1 Ammonia, Distilled</b>	Analytical Method: EPA 350.1							
Ammonia, Distilled	0.16	mg/L	0.10	1		05/26/10 12:48		
<b>4500 Chloride</b>	Analytical Method: SM 4500-Cl-E							
Chloride	11.6	mg/L	3.0	1		05/25/10 11:08	16887-00-6	

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DIM0227454

DIM0228317

## ANALYTICAL RESULTS

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

Sample: TRIP BLANK		Lab ID: 3028135004	Collected:	Received: 05/21/10 13:15	Matrix: Water
Parameters	Results	Units	Report Limit	DF	Prepared Analyzed CAS No. Qual
<b>Gasoline Range Organics</b>		Analytical Method: EPA 5030/8015 Mod.			
TPH (C06-C10)	ND ug/L		200	1	05/24/10 17:06
4-Bromofluorobenzene (S)	99 %		70-130	1	05/24/10 17:06 460-00-4
<b>8260 MSV</b>		Analytical Method: EPA 8260			
1,1,1-Trichloroethane	ND ug/L		1.0	1	05/24/10 19:52 71-55-6
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1	05/24/10 19:52 79-34-5
1,1,2-Trichloroethane	ND ug/L		1.0	1	05/24/10 19:52 79-00-5
1,1-Dichloroethane	ND ug/L		1.0	1	05/24/10 19:52 75-34-3
1,1-Dichloroethene	ND ug/L		1.0	1	05/24/10 19:52 75-35-4
1,2,4-Trichlorobenzene	ND ug/L		1.0	1	05/24/10 19:52 120-82-1
1,2,4-Trimethylbenzene	ND ug/L		1.0	1	05/24/10 19:52 95-63-6
1,2-Dichlorobenzene	ND ug/L		1.0	1	05/24/10 19:52 95-50-1
1,2-Dichloroethane	ND ug/L		1.0	1	05/24/10 19:52 107-06-2
1,2-Dichloroethene (Total)	ND ug/L		2.0	1	05/24/10 19:52 540-59-0
1,2-Dichloropropane	ND ug/L		1.0	1	05/24/10 19:52 78-87-5
1,3,5-Trimethylbenzene	ND ug/L		1.0	1	05/24/10 19:52 108-67-8
1,3-Dichlorobenzene	ND ug/L		1.0	1	05/24/10 19:52 541-73-1
1,4-Dichlorobenzene	ND ug/L		1.0	1	05/24/10 19:52 106-46-7
2-Butanone (MEK)	ND ug/L		10.0	1	05/24/10 19:52 78-93-3
2-Hexanone	ND ug/L		10.0	1	05/24/10 19:52 591-78-6
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1	05/24/10 19:52 108-10-1
Acetone	ND ug/L		10.0	1	05/24/10 19:52 67-64-1
Benzene	ND ug/L		1.0	1	05/24/10 19:52 71-43-2
Bromochloromethane	ND ug/L		1.0	1	05/24/10 19:52 74-97-5
Bromodichloromethane	ND ug/L		1.0	1	05/24/10 19:52 75-27-4
Bromoform	ND ug/L		1.0	1	05/24/10 19:52 75-25-2
Bromomethane	ND ug/L		1.0	1	05/24/10 19:52 74-83-9
Carbon disulfide	ND ug/L		1.0	1	05/24/10 19:52 75-15-0
Carbon tetrachloride	ND ug/L		1.0	1	05/24/10 19:52 56-23-5
Chlorobenzene	ND ug/L		1.0	1	05/24/10 19:52 108-90-7
Chloroethane	ND ug/L		1.0	1	05/24/10 19:52 75-00-3
Chloroform	ND ug/L		1.0	1	05/24/10 19:52 67-66-3
Chloromethane	ND ug/L		1.0	1	05/24/10 19:52 74-87-3
Dibromochloromethane	ND ug/L		1.0	1	05/24/10 19:52 124-48-1
Ethylbenzene	ND ug/L		1.0	1	05/24/10 19:52 100-41-4
Isopropylbenzene (Cumene)	ND ug/L		1.0	1	05/24/10 19:52 98-82-8
Methyl-tert-butyl ether	ND ug/L		1.0	1	05/24/10 19:52 1634-04-4
Methylene Chloride	ND ug/L		1.0	1	05/24/10 19:52 75-09-2
Naphthalene	ND ug/L		2.0	1	05/24/10 19:52 91-20-3
Styrene	ND ug/L		1.0	1	05/24/10 19:52 100-42-5
Tetrachloroethene	ND ug/L		1.0	1	05/24/10 19:52 127-18-4
Toluene	ND ug/L		1.0	1	05/24/10 19:52 108-88-3
Trichloroethene	ND ug/L		1.0	1	05/24/10 19:52 79-01-6
Vinyl chloride	ND ug/L		1.0	1	05/24/10 19:52 75-01-4
Xylene (Total)	ND ug/L		3.0	1	05/24/10 19:52 1330-20-7
cis-1,2-Dichloroethene	ND ug/L		1.0	1	05/24/10 19:52 156-59-2
cis-1,3-Dichloropropene	ND ug/L		1.0	1	05/24/10 19:52 10061-01-5

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## ANALYTICAL RESULTS

Project. [REDACTED] 2H/4H  
Pace Project No.: 3028135

Sample: TRIP BLANK		Lab ID: 3028135004	Collected		Received: 05/21/10 13:15		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
m&p-Xylene	ND	ug/L	2.0	1		05/24/10 19:52	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		05/24/10 19:52	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		05/24/10 19:52	103-65-1	
o-Xylene	ND	ug/L	1.0	1		05/24/10 19:52	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/24/10 19:52	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		05/24/10 19:52	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/24/10 19:52	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		05/24/10 19:52	10061-02-6	
4-Bromofluorobenzene (S)	69 %		70-130	1		05/24/10 19:52	460-00-4	
1,2-Dichloroethane-d4 (S)	128 %		70-130	1		05/24/10 19:52	17060-07-0	
Toluene-d8 (S)	76 %		70-130	1		05/24/10 19:52	2037-26-5	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3028135

QC Batch:	OEXT/4955	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015 GCS
Associated Lab Samples: 3028135001, 3028135002, 3028135003			

METHOD BLANK: 173784 Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/L	ND	0.10	05/26/10 10:47	
o-Terphenyl (S)	%	67	50-150	05/26/10 10:47	

LABORATORY CONTROL SAMPLE: 173785

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/L	1	0.59	59	50-150	
o-Terphenyl (S)	%			61	50-150	



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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

QC Batch:	GCV/1348	Analysis Method:	EPA 5030/8015 Mod
QC Batch Method:	EPA 5030/8015 Mod.	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	3028135001, 3028135002, 3028135003, 3028135004		

METHOD BLANK: 173797 Matrix: Water  
Associated Lab Samples: 3028135001, 3028135002, 3028135003, 3028135004

Parameter	Units	Blank Result	Reporting Limit	Analized	Qualifiers
TPH (C06-C10)	ug/L	ND	200	05/24/10 12:35	
4-Bromofluorobenzene (S)	%	87	70-130	05/24/10 12:35	

LABORATORY CONTROL SAMPLE: 173798

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C10)	ug/L	500	503	101	70-130	
4-Bromofluorobenzene (S)	%			85	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 173799 173800

Parameter	Units	3027504002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
TPH (C06-C10)	ug/L	ND	500	500	411	457	82	91	70-130	11	
4-Bromofluorobenzene (S)	%						87	93	70-130		

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3028135

QC Batch:	MPRP/3905	Analysis Method:	EPA 6010B
QC Batch Method:	EPA 3005	Analysis Description:	6010 MET
Associated Lab Samples: 3028135001, 3028135002, 3028135003			

METHOD BLANK: 173968 Matrx. Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	ND	50.0	05/26/10 08:42	
Antimony	ug/L	ND	5.0	05/26/10 08:42	
Arsenic	ug/L	ND	5.0	05/26/10 08:42	
Barium	ug/L	ND	10.0	05/26/10 08:42	
Beryllium	ug/L	ND	1.0	05/26/10 08:42	
Boron	ug/L	ND	50.0	05/26/10 08:42	
Cadmium	ug/L	ND	1.0	05/26/10 08:42	
Calcium	ug/L	ND	1000	05/26/10 08:42	
Chromium	ug/L	ND	5.0	05/26/10 08:42	
Cobalt	ug/L	ND	5.0	05/26/10 08:42	
Copper	ug/L	ND	5.0	05/26/10 08:42	
Iron	ug/L	ND	50.0	05/26/10 08:42	
Lead	ug/L	ND	2.0	05/26/10 08:42	
Magnesium	ug/L	ND	200	05/26/10 08:42	
Manganese	ug/L	ND	5.0	05/26/10 08:42	
Molybdenum	ug/L	ND	20.0	05/26/10 08:42	
Nickel	ug/L	ND	10.0	05/26/10 08:42	
Potassium	ug/L	ND	500	05/26/10 08:42	
Selenium	ug/L	ND	5.0	05/26/10 08:42	
Silver	ug/L	ND	1.0	05/26/10 08:42	
Sodium	ug/L	ND	1000	05/26/10 08:42	
Thallium	ug/L	ND	10.0	05/26/10 08:42	
Vanadium	ug/L	ND	5.0	05/26/10 08:42	
Zinc	ug/L	ND	10.0	05/26/10 08:42	

LABORATORY CONTROL SAMPLE: 173969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4720	94	80-120	
Antimony	ug/L	500	487	97	80-120	
Arsenic	ug/L	500	503	101	80-120	
Barium	ug/L	500	499	100	80-120	
Beryllium	ug/L	500	503	101	80-120	
Boron	ug/L	500	478	96	80-120	
Cadmium	ug/L	500	505	101	80-120	
Calcium	ug/L	5000	4750	95	80-120	
Chromium	ug/L	500	503	101	80-120	
Cobalt	ug/L	500	492	98	80-120	
Copper	ug/L	500	500	100	80-120	
Iron	ug/L	5000	4800	96	80-120	
Lead	ug/L	500	485	97	80-120	

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### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

LABORATORY CONTROL SAMPLE: 173969

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	ug/L	5000	4790	96	80-120	
Manganese	ug/L	500	502	100	80-120	
Molybdenum	ug/L	500	498	100	80-120	
Nickel	ug/L	500	502	100	80-120	
Potassium	ug/L	5000	4580	92	80-120	
Selenium	ug/L	500	464	93	80-120	
Silver	ug/L	250	241	97	80-120	
Sodium	ug/L	5000	4550	91	80-120	
Thallium	ug/L	500	492	98	80-120	
Vanadium	ug/L	500	496	99	80-120	
Zinc	ug/L	500	483	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 173971 173972

Parameter	Units	3028135002		MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits		
Aluminum	ug/L	7390	5000	5000	12500	13900	103	130	75-125	10	M1	
Antimony	ug/L	ND	500	500	472	479	94	96	75-125	1		
Arsenic	ug/L	29.0	500	500	524	528	99	100	75-125	.7		
Barium	ug/L	76.0	500	500	570	581	99	101	75-125	2		
Beryllium	ug/L	ND	500	500	500	506	100	101	75-125	1		
Boron	ug/L	ND	500	500	515	508	99	98	75-125	2		
Cadmium	ug/L	ND	500	500	495	497	99	99	75-125	.5		
Calcium	ug/L	21600	5000	5000	27100	26900	110	107	75-125	.6		
Chromium	ug/L	27.7	500	500	520	530	99	101	75-125	2		
Cobalt	ug/L	9.4	500	500	492	499	96	98	75-125	1		
Copper	ug/L	11.7	500	500	510	515	100	101	75-125	1		
Iron	ug/L	15300	5000	5000	18000	19900	54	92	75-125	10	M1	
Lead	ug/L	14.8	500	500	512	515	99	100	75-125	.6		
Magnesium	ug/L	5800	5000	5000	10600	11000	97	103	75-125	3		
Manganese	ug/L	775	500	500	1270	1290	100	102	75-125	.8		
Molybdenum	ug/L	ND	500	500	502	499	100	100	75-125	.5		
Nickel	ug/L	26.6	500	500	518	523	98	99	75-125	1		
Potassium	ug/L	3840	5000	5000	8560	8940	94	102	75-125	4		
Selenium	ug/L	ND	500	500	491	491	98	98	75-125	.1		
Silver	ug/L	ND	250	250	244	243	97	97	75-125	.2		
Sodium	ug/L	3370	5000	5000	8470	8580	102	104	75-125	1		
Thallium	ug/L	ND	500	500	479	482	96	96	75-125	.7		
Vanadium	ug/L	10.3	500	500	498	507	97	99	75-125	2		
Zinc	ug/L	42.6	500	500	510	527	94	97	75-125	3		

MATRIX SPIKE SAMPLE: 173974

Parameter	Units	3028051004 Result	Spike Conc	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	17.6U	5000	4520	90	75-125	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

MATRIX SPIKE SAMPLE: 173974		3028051004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
Antimony	ug/L	4.2U	500	454	91	75-125	
Arsenic	ug/L	3.6U	500	468	93	75-125	
Barium	ug/L	12.3	500	461	90	75-125	
Beryllium	ug/L	0.55U	500	441	88	75-125	
Boron	ug/L	5000	500	5020	4	75-125	M1
Cadmium	ug/L	0.46U	500	430	86	75-125	
Calcium	ug/L	317000	5000	291000	-510	75-125	M1
Chromium	ug/L	1.2U	500	440	88	75-125	
Cobalt	ug/L	0.85U	500	423	85	75-125	
Copper	ug/L	1.6U	500	457	91	75-125	
Iron	ug/L	31.0J	5000	4300	85	75-125	
Lead	ug/L	1.6U	500	449	90	75-125	
Magnesium	ug/L	86600	5000	83600	-59	75-125	M1
Manganese	ug/L	21.1	500	463	88	75-125	
Molybdenum	ug/L	25.7	500	477	90	75-125	
Nickel	ug/L	1.8U	500	428	86	75-125	
Potassium	ug/L	7700	5000	12600	97	75-125	
Selenium	ug/L	6.1	500	458	90	75-125	
Silver	ug/L	0.74U	250	225	90	75-125	
Sodium	ug/L	61100	5000	62900	35	75-125	M1
Thallium	ug/L	6.4U	500	446	89	75-125	
Vanadium	ug/L	0.97U	500	444	89	75-125	
Zinc	ug/L	35.3	500	433	80	75-125	

SAMPLE DUPLICATE: 173970

Parameter	Units	3028135001	Dup	RPD	Qualifiers
		Result	Result		
Aluminum	ug/L	13000	12500	4	
Antimony	ug/L	ND	ND		
Arsenic	ug/L	20.7	18.0	14	
Barium	ug/L	152	147	3	
Beryllium	ug/L	ND	.82J		
Boron	ug/L	ND	23.1J		
Cadmium	ug/L	ND	ND		
Calcium	ug/L	25000	24400	2	
Chromium	ug/L	475	473	.5	
Cobalt	ug/L	13.8	13.0	6	
Copper	ug/L	24.0	23.9	.5	
Iron	ug/L	23000	22600	2	
Lead	ug/L	13.1	13.8	5	
Magnesium	ug/L	7310	7120	3	
Manganese	ug/L	682	666	2	
Molybdenum	ug/L	ND	12.5J		
Nickel	ug/L	256	254	.7	
Potassium	ug/L	4350	4140	5	
Selenium	ug/L	ND	ND		
Silver	ug/L	1.5	ND		

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

SAMPLE DUPLICATE: 173970

Parameter	Units	3028135001 Result	Dup Result	RPD	Qualifiers
Sodium	ug/L	5770	5370	7	
Thallium	ug/L	ND	ND		
Vanadium	ug/L	16.3	15.3	6	
Zinc	ug/L	70.2	68.3	3	

SAMPLE DUPLICATE: 173973

Parameter	Units	3028051004 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	17.6U	18.3J		
Antimony	ug/L	4.2U	ND		
Arsenic	ug/L	3.6U	ND		
Barium	ug/L	12.3	12.6	2	
Beryllium	ug/L	0.55U	ND		
Boron	ug/L	5000	5140	3	
Cadmium	ug/L	0.46U	ND		
Calcium	ug/L	317000	327000	3	
Chromium	ug/L	1.2U	ND		
Cobalt	ug/L	0.85U	ND		
Copper	ug/L	1.6U	ND		
Iron	ug/L	31.0J	46.1J		
Lead	ug/L	1.6U	ND		
Magnesium	ug/L	86600	89500	3	
Manganese	ug/L	21.1	22.4	6	
Molybdenum	ug/L	25.7	24.7	4	
Nickel	ug/L	1.8U	ND		
Potassium	ug/L	7700	7960	3	
Selenium	ug/L	6.1	5.8	5	
Silver	ug/L	0.74U	1.4		
Sodium	ug/L	61100	62600	2	
Thallium	ug/L	6.4U	ND		
Vanadium	ug/L	0.97U	ND		
Zinc	ug/L	35.3	36.6	4	

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## QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

QC Batch:	MPRP/3904	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3005	Analysis Description:	6010 MET Dissolved
Associated Lab Samples:	3028135001, 3028135002, 3028135003		

METHOD BLANK: 173955 Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	ND	50.0	05/25/10 19:34	
Antimony, Dissolved	ug/L	ND	5.0	05/25/10 19:34	
Arsenic, Dissolved	ug/L	ND	5.0	05/25/10 19:34	
Barium, Dissolved	ug/L	ND	10.0	05/25/10 19:34	
Beryllium, Dissolved	ug/L	ND	1.0	05/25/10 19:34	
Boron, Dissolved	ug/L	ND	50.0	05/26/10 16:00	
Cadmium, Dissolved	ug/L	ND	1.0	05/25/10 19:34	
Calcium, Dissolved	ug/L	ND	1000	05/25/10 19:34	
Chromium, Dissolved	ug/L	ND	5.0	05/25/10 19:34	
Cobalt, Dissolved	ug/L	ND	5.0	05/25/10 19:34	
Copper, Dissolved	ug/L	ND	5.0	05/25/10 19:34	
Iron, Dissolved	ug/L	ND	50.0	05/25/10 19:34	
Lead, Dissolved	ug/L	ND	2.0	05/25/10 19:34	
Magnesium, Dissolved	ug/L	ND	200	05/25/10 19:34	
Manganese, Dissolved	ug/L	ND	5.0	05/25/10 19:34	
Molybdenum, Dissolved	ug/L	ND	20.0	05/26/10 16:00	
Nickel, Dissolved	ug/L	ND	10.0	05/25/10 19:34	
Potassium, Dissolved	ug/L	ND	500	05/25/10 19:34	
Selenium, Dissolved	ug/L	ND	5.0	05/25/10 19:34	
Silver, Dissolved	ug/L	ND	1.0	05/25/10 19:34	
Sodium, Dissolved	ug/L	ND	1000	05/25/10 19:34	
Thallium, Dissolved	ug/L	ND	10.0	05/25/10 19:34	
Vanadium, Dissolved	ug/L	ND	5.0	05/25/10 19:34	
Zinc, Dissolved	ug/L	ND	10.0	05/25/10 19:34	

LABORATORY CONTROL SAMPLE: 173956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	5000	4500	90	80-120	
Antimony, Dissolved	ug/L	500	470	94	80-120	
Arsenic, Dissolved	ug/L	500	458	92	80-120	
Barium, Dissolved	ug/L	500	437	87	80-120	
Beryllium, Dissolved	ug/L	500	506	101	80-120	
Boron, Dissolved	ug/L	500	516	103	80-120	
Cadmium, Dissolved	ug/L	500	462	92	80-120	
Calcium, Dissolved	ug/L	5000	4850	97	80-120	
Chromium, Dissolved	ug/L	500	487	97	80-120	
Cobalt, Dissolved	ug/L	500	463	93	80-120	
Copper, Dissolved	ug/L	500	443	89	80-120	
Iron, Dissolved	ug/L	5000	4770	95	80-120	
Lead, Dissolved	ug/L	500	470	94	80-120	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

LABORATORY CONTROL SAMPLE: 173956

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium, Dissolved	ug/L	5000	5160	103	80-120	
Manganese, Dissolved	ug/L	500	472	94	80-120	
Molybdenum, Dissolved	ug/L	500	463	93	80-120	
Nickel, Dissolved	ug/L	500	467	93	80-120	
Potassium, Dissolved	ug/L	5000	4480	90	80-120	
Selenium, Dissolved	ug/L	500	474	95	80-120	
Silver, Dissolved	ug/L	250	250	100	80-120	
Sodium, Dissolved	ug/L	5000	4610	92	80-120	
Thallium, Dissolved	ug/L	500	459	92	80-120	
Vanadium, Dissolved	ug/L	500	468	94	80-120	
Zinc, Dissolved	ug/L	500	481	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 173958 173959

Parameter	Units	3027969005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Aluminum, Dissolved	ug/L	ND	5000	5000	4860	4810	96	95	75-125	1	
Antimony, Dissolved	ug/L	ND	500	500	476	474	95	95	75-125	.6	
Arsenic, Dissolved	ug/L	ND	500	500	496	493	99	99	75-125	.7	
Barium, Dissolved	ug/L	84.8	500	500	560	556	95	94	75-125	.6	
Beryllium, Dissolved	ug/L	ND	500	500	510	510	102	102	75-125	.1	
Boron, Dissolved	ug/L	51.8	500	500	614	613	112	112	75-125	.1	
Cadmium, Dissolved	ug/L	ND	500	500	488	484	98	97	75-125	.7	
Calcium, Dissolved	ug/L	67800	5000	5000	69900	69400	42	33	75-125	.6	MO
Chromium, Dissolved	ug/L	ND	500	500	486	480	97	96	75-125	1	
Cobalt, Dissolved	ug/L	ND	500	500	499	498	100	99	75-125	.3	
Copper, Dissolved	ug/L	ND	500	500	488	481	98	96	75-125	1	
Iron, Dissolved	ug/L	ND	5000	5000	4700	4660	94	93	75-125	.9	
Lead, Dissolved	ug/L	ND	500	500	484	480	97	96	75-125	.9	
Magnesium, Dissolved	ug/L	8530	5000	5000	12400	12400	78	78	75-125	.08	
Manganese, Dissolved	ug/L	155	500	500	615	617	92	92	75-125	.3	
Molybdenum, Dissolved	ug/L	ND	500	500	526	524	104	104	75-125	.3	
Nickel, Dissolved	ug/L	ND	500	500	465	462	93	92	75-125	.6	
Potassium, Dissolved	ug/L	4480	5000	5000	9670	9590	104	102	75-125	.9	
Selenium, Dissolved	ug/L	ND	500	500	492	488	98	97	75-125	.9	
Silver, Dissolved	ug/L	ND	250	250	251	251	100	100	75-125	.2	
Sodium, Dissolved	ug/L	181000	5000	5000	187000	186000	128	116	75-125	.3	MO
Thallium, Dissolved	ug/L	ND	500	500	455	454	91	91	75-125	.4	
Vanadium, Dissolved	ug/L	ND	500	500	483	482	97	96	75-125	.3	
Zinc, Dissolved	ug/L	ND	500	500	482	478	95	94	75-125	.9	

MATRIX SPIKE SAMPLE: 173961

Parameter	Units	3028051004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	64.8	5000	4880	96	75-125	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

MATRIX SPIKE SAMPLE: 173961		3028051004	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc	Result	% Rec	Limits	Qualifiers
Antimony, Dissolved	ug/L	0.82U	500	483	97	75-125	
Arsenic, Dissolved	ug/L	1.0U	500	501	100	75-125	
Barium, Dissolved	ug/L	12.6	500	500	97	75-125	
Beryllium, Dissolved	ug/L	0.060U	500	481	96	75-125	
Boron, Dissolved	ug/L	5880	500	6400	103	75-125	
Cadmium, Dissolved	ug/L	0.090U	500	491	98	75-125	
Calcium, Dissolved	ug/L	316000	5000	306000	-202	75-125 M0	
Chromium, Dissolved	ug/L	0.35U	500	462	92	75-125	
Cobalt, Dissolved	ug/L	0.20U	500	478	96	75-125	
Copper, Dissolved	ug/L	1.2U	500	484	97	75-125	
Iron, Dissolved	ug/L	3.2U	5000	4350	87	75-125	
Lead, Dissolved	ug/L	0.70U	500	458	92	75-125	
Magnesium, Dissolved	ug/L	84600	5000	81100	-70	75-125 M0	
Manganese, Dissolved	ug/L	6.0	500	446	88	75-125	
Molybdenum, Dissolved	ug/L	28.5	500	541	102	75-125	
Nickel, Dissolved	ug/L	0.13U	500	458	92	75-125	
Potassium, Dissolved	ug/L	6490	5000	12000	110	75-125	
Selenium, Dissolved	ug/L	0.80U	500	507	101	75-125	
Silver, Dissolved	ug/L	0.25U	250	244	98	75-125	
Sodium, Dissolved	ug/L	37000	5000	42400	107	75-125	
Thallium, Dissolved	ug/L	0.39U	500	434	87	75-125	
Vanadium, Dissolved	ug/L	0.72J	500	472	94	75-125	
Zinc, Dissolved	ug/L	44.0	500	491	89	75-125	

SAMPLE DUPLICATE: 173957

Parameter	Units	3027969005	Dup	RPD	Qualifiers
		Result	Result		
Aluminum, Dissolved	ug/L	ND	42.8J		
Antimony, Dissolved	ug/L	ND	ND		
Arsenic, Dissolved	ug/L	ND	ND		
Barium, Dissolved	ug/L	84.8	85.7	1	
Beryllium, Dissolved	ug/L	ND	ND		
Boron, Dissolved	ug/L	51.8	56.6	9	
Cadmium, Dissolved	ug/L	ND	ND		
Calcium, Dissolved	ug/L	67800	66600	2	
Chromium, Dissolved	ug/L	ND	.75J		
Cobalt, Dissolved	ug/L	ND	ND		
Copper, Dissolved	ug/L	ND	ND		
Iron, Dissolved	ug/L	ND	29.4J		
Lead, Dissolved	ug/L	ND	ND		
Magnesium, Dissolved	ug/L	8530	8040	6	
Manganese, Dissolved	ug/L	155	151	3	
Molybdenum, Dissolved	ug/L	ND	3.1J		
Nickel, Dissolved	ug/L	ND	.35J		
Potassium, Dissolved	ug/L	4480	4400	2	
Selenium, Dissolved	ug/L	ND	ND		
Silver, Dissolved	ug/L	ND	ND		

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### QUALITY CONTROL DATA

Project: 2H/4H  
Pace Project No : 3028135

SAMPLE DUPLICATE: 173957

Parameter	Units	3027969005 Result	Dup Result	RPD	Qualifiers
Sodium, Dissolved	ug/L	181000	181000	3	
Thallium, Dissolved	ug/L	ND	ND		
Vanadium, Dissolved	ug/L	ND	ND		
Zinc, Dissolved	ug/L	ND	7.6J		

SAMPLE DUPLICATE: 173960

Parameter	Units	3028051004 Result	Dup Result	RPD	Qualifiers
Aluminum, Dissolved	ug/L	64.8	51.3	23	D6
Antimony, Dissolved	ug/L	0.82U	ND		
Arsenic, Dissolved	ug/L	1.0U	ND		
Barium, Dissolved	ug/L	12.6	12.9	2	
Beryllium, Dissolved	ug/L	0.060U	ND		
Boron, Dissolved	ug/L	5880	5810	1	
Cadmium, Dissolved	ug/L	0.090U	ND		
Calcium, Dissolved	ug/L	316000	312000	2	
Chromium, Dissolved	ug/L	0.35U	ND		
Cobalt, Dissolved	ug/L	0.20U	ND		
Copper, Dissolved	ug/L	1.2U	ND		
Iron, Dissolved	ug/L	3.2U	ND		
Lead, Dissolved	ug/L	0.70U	ND		
Magnesium, Dissolved	ug/L	84600	80300	5	
Manganese, Dissolved	ug/L	6.0	6.2	3	
Molybdenum, Dissolved	ug/L	28.5	25.8	10	
Nickel, Dissolved	ug/L	0.13U	ND		
Potassium, Dissolved	ug/L	6490	6640	2	
Selenium, Dissolved	ug/L	0.80U	1J		
Silver, Dissolved	ug/L	0.25U	ND		
Sodium, Dissolved	ug/L	37000	37500	1	
Thallium, Dissolved	ug/L	0.39U	ND		
Vanadium, Dissolved	ug/L	0.72J	.42J		
Zinc, Dissolved	ug/L	44.0	42.4	4	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

QC Batch: MERP/1943 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury  
Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK: 174001 Matrix Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	05/25/10 11:22	

LABORATORY CONTROL SAMPLE: 174002

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	101	85-115	

MATRIX SPIKE SAMPLE 174004

Parameter	Units	3028076003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	2.6	106	85-115	

SAMPLE DUPLICATE: 174003

Parameter	Units	3028076003 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	ND		



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### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

QC Batch:	MERP/1942	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury Dissolved
Associated Lab Samples: 3028135001, 3028135002, 3028135003			

METHOD BLANK: 173997 Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	05/25/10 11:22	

LABORATORY CONTROL SAMPLE 173998

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	1	1.0	101	85-115	

MATRIX SPIKE SAMPLE. 174000

Parameter	Units	3028135001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	ND	2.5	2.6	104	75-125	

SAMPLE DUPLICATE: 173999

Parameter	Units	3028135001 Result	Dup Result	RPD	Qualifiers
Mercury, Dissolved	ug/L	ND	ND		

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DIM0227454

DIM0228331



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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3028135

QC Batch: OEXT/4957 Analysis Method: EPA 8270 by SIM  
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by SIM MSSV  
Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK: 173789 Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	2.5	05/24/10 20:40	
Acenaphthylene	ug/L	ND	2.5	05/24/10 20:40	
Anthracene	ug/L	ND	0.20	05/24/10 20:40	
Benzo(a)anthracene	ug/L	ND	0.20	05/24/10 20:40	
Benzo(a)pyrene	ug/L	ND	0.20	05/24/10 20:40	
Benzo(b)fluoranthene	ug/L	ND	0.20	05/24/10 20:40	
Benzo(g,h,i)perylene	ug/L	ND	0.20	05/24/10 20:40	
Benzo(k)fluoranthene	ug/L	ND	0.20	05/24/10 20:40	
Chrysene	ug/L	ND	0.20	05/24/10 20:40	
Dibenz(a,h)anthracene	ug/L	ND	0.20	05/24/10 20:40	
Fluoranthene	ug/L	ND	0.20	05/24/10 20:40	
Fluorene	ug/L	ND	0.20	05/24/10 20:40	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.20	05/24/10 20:40	
Naphthalene	ug/L	ND	1.0	05/24/10 20:40	
Phenanthrene	ug/L	ND	0.20	05/24/10 20:40	
Pyrene	ug/L	ND	0.20	05/24/10 20:40	
2-Fluorobiphenyl (S)	%	54	43-116	05/24/10 20:40	
Nitrobenzene-d5 (S)	%	57	35-114	05/24/10 20:40	
Terphenyl-d14 (S)	%	67	33-141	05/24/10 20:40	

LABORATORY CONTROL SAMPLE. 173790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	2	1.3J	66	32-104	
Acenaphthylene	ug/L	2	1.3J	66	28-114	
Anthracene	ug/L	2	1.5	73	35-114	
Benzo(a)anthracene	ug/L	2	1.6	81	29-139	
Benzo(a)pyrene	ug/L	2	1.7	86	35-128	
Benzo(b)fluoranthene	ug/L	2	1.7	85	26-141	
Benzo(g,h,i)perylene	ug/L	2	1.9	94	34-131	
Benzo(k)fluoranthene	ug/L	2	1.9	95	29-146	
Chrysene	ug/L	2	1.7	86	39-128	
Dibenz(a,h)anthracene	ug/L	2	1.9	94	39-136	
Fluoranthene	ug/L	2	1.6	79	35-135	
Fluorene	ug/L	2	1.4	68	34-104	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.8	92	37-136	
Naphthalene	ug/L	2	1.2	61	34-98	
Phenanthrene	ug/L	2	1.4	70	32-109	
Pyrene	ug/L	2	1.3	64	34-103	
2-Fluorobiphenyl (S)	%			69	43-116	
Nitrobenzene-d5 (S)	%			69	35-114	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

LABORATORY CONTROL SAMPLE 173790

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Terphenyl-d14 (S)	%			75	33-141	

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### QUALITY CONTROL DATA

Project: 2H/4H  
Pace Project No.: 3028135

QC Batch: OEXT/4956 Analysis Method: EPA 8270  
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV  
Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK 173787 Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/24/10 15:05	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/24/10 15:05	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/24/10 15:05	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/24/10 15:05	
1-Methylnaphthalene	ug/L	ND	1.0	05/24/10 15:05	
2,4,5-Trichlorophenol	ug/L	ND	2.5	05/24/10 15:05	
2,4,6-Trichlorophenol	ug/L	ND	1.0	05/24/10 15:05	
2,4-Dichlorophenol	ug/L	ND	1.0	05/24/10 15:05	
2,4-Dimethylphenol	ug/L	ND	1.0	05/24/10 15:05	
2,4-Dinitrophenol	ug/L	ND	2.5	05/24/10 15:05	
2,4-Dinitrotoluene	ug/L	ND	1.0	05/24/10 15:05	
2,6-Dinitrotoluene	ug/L	ND	1.0	05/24/10 15:05	
2-Chloronaphthalene	ug/L	ND	1.0	05/24/10 15:05	
2-Chlorophenol	ug/L	ND	1.0	05/24/10 15:05	
2-Methylnaphthalene	ug/L	ND	1.0	05/24/10 15:05	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	05/24/10 15:05	
2-Nitroaniline	ug/L	ND	2.5	05/24/10 15:05	
2-Nitrophenol	ug/L	ND	1.0	05/24/10 15:05	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2.0	05/24/10 15:05	
3,3'-Dichlorobenzidine	ug/L	ND	1.0	05/24/10 15:05	
3-Nitroaniline	ug/L	ND	2.5	05/24/10 15:05	
4,6-Dinitro-2-methylphenol	ug/L	ND	2.5	05/24/10 15:05	
4-Bromophenylphenyl ether	ug/L	ND	1.0	05/24/10 15:05	
4-Chloro-3-methylphenol	ug/L	ND	1.0	05/24/10 15:05	
4-Chloroaniline	ug/L	ND	1.0	05/24/10 15:05	
4-Chlorophenylphenyl ether	ug/L	ND	1.0	05/24/10 15:05	
4-Nitroaniline	ug/L	ND	2.5	05/24/10 15:05	
4-Nitrophenol	ug/L	ND	1.0	05/24/10 15:05	
Acenaphthene	ug/L	ND	1.0	05/24/10 15:05	
Acenaphthylene	ug/L	ND	1.0	05/24/10 15:05	
Anthracene	ug/L	ND	1.0	05/24/10 15:05	
Azobenzene	ug/L	ND	1.0	05/24/10 15:05	
Benzo(a)anthracene	ug/L	ND	1.0	05/24/10 15:05	
Benzo(a)pyrene	ug/L	ND	1.0	05/24/10 15:05	
Benzo(b)fluoranthene	ug/L	ND	1.0	05/24/10 15:05	
Benzo(g,h,i)perylene	ug/L	ND	1.0	05/24/10 15:05	
Benzo(k)fluoranthene	ug/L	ND	1.0	05/24/10 15:05	
Benzoic acid	ug/L	ND	100	05/24/10 15:05	
Benzyl alcohol	ug/L	ND	1.0	05/24/10 15:05	
bis(2-Chloroethoxy)methane	ug/L	ND	1.0	05/24/10 15:05	
bis(2-Chloroethyl) ether	ug/L	ND	1.0	05/24/10 15:05	
bis(2-Chloroisopropyl) ether	ug/L	ND	1.0	05/24/10 15:05	
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0	05/24/10 15:05	

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## QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No : 3028135

METHOD BLANK: 173787

Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	1.0	05/24/10 15:05	
Carbazole	ug/L	ND	1.0	05/24/10 15:05	
Chrysene	ug/L	ND	1.0	05/24/10 15:05	
Di-n-butylphthalate	ug/L	ND	1.0	05/24/10 15:05	
Di-n-octylphthalate	ug/L	ND	1.0	05/24/10 15:05	
Dibenz(a,h)anthracene	ug/L	ND	1.0	05/24/10 15:05	
Dibenzofuran	ug/L	ND	1.0	05/24/10 15:05	
Diethylphthalate	ug/L	ND	1.0	05/24/10 15:05	
Dimethylphthalate	ug/L	ND	1.0	05/24/10 15:05	
Fluoranthene	ug/L	ND	1.0	05/24/10 15:05	
Fluorene	ug/L	ND	1.0	05/24/10 15:05	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	05/24/10 15:05	
Hexachlorobenzene	ug/L	ND	1.0	05/24/10 15:05	
Hexachlorocyclopentadiene	ug/L	ND	1.0	05/24/10 15:05	
Hexachloroethane	ug/L	ND	1.0	05/24/10 15:05	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	05/24/10 15:05	
Isophorone	ug/L	ND	1.0	05/24/10 15:05	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	05/24/10 15:05	
N-Nitrosodimethylamine	ug/L	ND	1.0	05/24/10 15:05	
N-Nitrosodiphenylamine	ug/L	ND	1.0	05/24/10 15:05	
Naphthalene	ug/L	ND	1.0	05/24/10 15:05	
Nitrobenzene	ug/L	ND	1.0	05/24/10 15:05	
Pentachlorophenol	ug/L	ND	2.5	05/24/10 15:05	
Phenanthrene	ug/L	ND	1.0	05/24/10 15:05	
Phenol	ug/L	ND	1.0	05/24/10 15:05	
Pyrene	ug/L	ND	1.0	05/24/10 15:05	
2,4,6-Tribromophenol (S)	%	50	10-123	05/24/10 15:05	
2-Fluorobiphenyl (S)	%	44	43-116	05/24/10 15:05	
2-Fluorophenol (S)	%	30	21-110	05/24/10 15:05	
Nitrobenzene-d5 (S)	%	39	35-114	05/24/10 15:05	
Phenol-d6 (S)	%	18	10-110	05/24/10 15:05	
Terphenyl-d14 (S)	%	93	33-141	05/24/10 15:05	

LABORATORY CONTROL SAMPLE: 173788

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	2.5	49	39-98	
1,2-Dichlorobenzene	ug/L		ND			
1,3-Dichlorobenzene	ug/L		ND			
1,4-Dichlorobenzene	ug/L	5	2.1	43	20-124	
1-Methylnaphthalene	ug/L	5	2.9	57	40-140	
2,4,5-Trichlorophenol	ug/L		ND			
2,4,6-Trichlorophenol	ug/L		ND			
2,4-Dichlorophenol	ug/L		ND			
2,4-Dimethylphenol	ug/L		ND			

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

LABORATORY CONTROL SAMPLE: 173788

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L		ND			
2,4-Dinitrotoluene	ug/L	5	2.6	51	39-139	
2,6-Dinitrotoluene	ug/L		ND			
2-Chloronaphthalene	ug/L		ND			
2-Chlorophenol	ug/L	5	2.6	51	23-134	
2-Methylnaphthalene	ug/L	5	2.4	49	40-140	
2-Methylphenol(o-Cresol)	ug/L		ND			
2-Nitroaniline	ug/L		ND			
2-Nitrophenol	ug/L		ND			
3&4-Methylphenol(m&p Cresol)	ug/L		ND			
3,3'-Dichlorobenzidine	ug/L		ND			
3-Nitroaniline	ug/L		ND			
4,6-Dinitro-2-methylphenol	ug/L		ND			
4-Bromophenylphenyl ether	ug/L		ND			
4-Chloro-3-methylphenol	ug/L	5	2.7	54	22-147	
4-Chloroaniline	ug/L		ND			
4-Chlorophenylphenyl ether	ug/L		ND			
4-Nitroaniline	ug/L		ND			
4-Nitrophenol	ug/L	5	95J	19	1-132	
Acenaphthene	ug/L	5	2.8	57	27-133	
Acenaphthylene	ug/L	5	2.7	54	33-145	
Anthracene	ug/L	5	3.1	62	27-133	
Azobenzene	ug/L		ND			
Benzo(a)anthracene	ug/L	5	3.4	68	33-142	
Benzo(a)pyrene	ug/L	5	3.3	67	17-163	
Benzo(b)fluoranthene	ug/L	5	4.5	89	24-159	
Benzo(g,h,i)perylene	ug/L	5	3.8	75	1-219	
Benzo(k)fluoranthene	ug/L	5	4.3	86	11-162	
Benzoic acid	ug/L		ND			
Benzyl alcohol	ug/L		ND			
bis(2-Chloroethoxy)methane	ug/L		ND			
bis(2-Chloroethyl) ether	ug/L		ND			
bis(2-Chloroisopropyl) ether	ug/L		ND			
bis(2-Ethylhexyl)phthalate	ug/L		ND			
Butylbenzylphthalate	ug/L		ND			
Carbazole	ug/L		ND			
Chrysene	ug/L	5	3.6	73	17-168	
Di-n-butylphthalate	ug/L		ND			
Di-n-octylphthalate	ug/L		ND			
Dibenz(a,h)anthracene	ug/L	5	3.3	66	1-227	
Dibenzofuran	ug/L		ND			
Diethylphthalate	ug/L		ND			
Dimethylphthalate	ug/L		ND			
Fluoranthene	ug/L	5	3.7	74	26-137	
Fluorene	ug/L	5	2.9	58	59-121	L0
Hexachloro-1,3-butadiene	ug/L		ND			
Hexachlorobenzene	ug/L		ND			
Hexachlorocyclopentadiene	ug/L		ND			

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CABOT-EPA 007103



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Greensburg, PA 15601  
(724)850-6600

### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

LABORATORY CONTROL SAMPLE: 173788

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L		ND			
Indeno(1,2,3-cd)pyrene	ug/L	5	3.4	68	1-171	
Isophorone	ug/L		ND			
N-Nitroso-di-n-propylamine	ug/L	5	2.9	59	1-230	
N-Nitrosodimethylamine	ug/L		ND			
N-Nitrosodiphenylamine	ug/L		ND			
Naphthalene	ug/L	5	2.5	51	21-133	
Nitrobenzene	ug/L		ND			
Pentachlorophenol	ug/L	5	3.5	70	14-176	
Phenanthrene	ug/L	5	3.2	64	54-120	
Phenol	ug/L	5	1.2	24	5-112	
Pyrene	ug/L	5	4.3	86	26-127	
2,4,6-Tribromophenol (S)	%			53	10-123	
2-Fluorobiphenyl (S)	%			54	43-116	
2-Fluorophenol (S)	%			33	21-110	
Nitrobenzene-d5 (S)	%			41	35-114	
Phenol-d6 (S)	%			18	10-110	
Terphenyl-d14 (S)	%			98	33-141	

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Greensburg, PA 15601  
(724)850-5600

## QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

QC Batch:	MSV/5909	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	3028135001, 3028135002, 3028135003, 3028135004		

METHOD BLANK: 173854 Matrix: Water  
Associated Lab Samples: 3028135001, 3028135002, 3028135003, 3028135004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	05/24/10 13:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/24/10 13:47	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/24/10 13:47	
1,1-Dichloroethane	ug/L	ND	1.0	05/24/10 13:47	
1,1-Dichloroethene	ug/L	ND	1.0	05/24/10 13:47	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/24/10 13:47	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/24/10 13:47	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/24/10 13:47	
1,2-Dichloroethane	ug/L	ND	1.0	05/24/10 13:47	
1,2-Dichloropropane	ug/L	ND	1.0	05/24/10 13:47	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/24/10 13:47	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/24/10 13:47	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/24/10 13:47	
2-Butanone (MEK)	ug/L	ND	10.0	05/24/10 13:47	
2-Hexanone	ug/L	ND	10.0	05/24/10 13:47	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	05/24/10 13:47	
Acetone	ug/L	ND	10.0	05/24/10 13:47	
Benzene	ug/L	ND	1.0	05/24/10 13:47	
Bromochloromethane	ug/L	ND	1.0	05/24/10 13:47	
Bromodichloromethane	ug/L	ND	1.0	05/24/10 13:47	
Bromoform	ug/L	ND	1.0	05/24/10 13:47	
Bromomethane	ug/L	ND	1.0	05/24/10 13:47	
Carbon disulfide	ug/L	ND	1.0	05/24/10 13:47	
Carbon tetrachloride	ug/L	ND	1.0	05/24/10 13:47	
Chlorobenzene	ug/L	ND	1.0	05/24/10 13:47	
Chloroethane	ug/L	ND	1.0	05/24/10 13:47	
Chloroform	ug/L	ND	1.0	05/24/10 13:47	
Chloromethane	ug/L	ND	1.0	05/24/10 13:47	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/24/10 13:47	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/24/10 13:47	
Dibromochloromethane	ug/L	ND	1.0	05/24/10 13:47	
Ethylbenzene	ug/L	ND	1.0	05/24/10 13:47	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/24/10 13:47	
m&p-Xylene	ug/L	ND	2.0	05/24/10 13:47	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/24/10 13:47	
Methylene Chloride	ug/L	ND	1.0	05/24/10 13:47	
n-Butylbenzene	ug/L	ND	1.0	05/24/10 13:47	
n-Propylbenzene	ug/L	ND	1.0	05/24/10 13:47	
Naphthalene	ug/L	ND	2.0	05/24/10 13:47	
o-Xylene	ug/L	ND	1.0	05/24/10 13:47	
p-Isopropyltoluene	ug/L	ND	1.0	05/24/10 13:47	
sec-Butylbenzene	ug/L	ND	1.0	05/24/10 13:47	
Styrene	ug/L	ND	1.0	05/24/10 13:47	

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Greensburg, PA 15601  
(724)850-5600

## QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No : 3028135

METHOD BLANK: 173854 Matrix: Water  
Associated Lab Samples: 3028135001, 3028135002, 3028135003, 3028135004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	05/24/10 13.47	
Toluene	ug/L	ND	1.0	05/24/10 13.47	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/24/10 13.47	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/24/10 13.47	
Trichloroethene	ug/L	ND	1.0	05/24/10 13.47	
Vinyl chloride	ug/L	ND	1.0	05/24/10 13.47	
Xylene (Total)	ug/L	ND	3.0	05/24/10 13.47	
1,2-Dichloroethane-d4 (S)	%	127	70-130	05/24/10 13.47	
4-Bromofluorobenzene (S)	%	77	70-130	05/24/10 13.47	
Toluene-d8 (S)	%	88	70-130	05/24/10 13.47	

LABORATORY CONTROL SAMPLE: 173855

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	23.7	119	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.1	95	70-130	
1,1,2-Trichloroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethane	ug/L	20	26.4	132	70-130	L1
1,1-Dichloroethene	ug/L	20	15.6	78	70-130	
1,2,4-Trichlorobenzene	ug/L	20	19.2	96	70-130	
1,2,4-Trimethylbenzene	ug/L	20	20.1	100	70-130	
1,2-Dichlorobenzene	ug/L	20	19.0	95	70-130	
1,2-Dichloroethane	ug/L	20	25.6	128	70-130	
1,2-Dichloropropane	ug/L	20	19.0	95	70-130	
1,3,5-Trimethylbenzene	ug/L	20	20.1	100	70-130	
1,3-Dichlorobenzene	ug/L	20	19.2	96	70-130	
1,4-Dichlorobenzene	ug/L	20	19.6	98	70-130	
2-Butanone (MEK)	ug/L	20	25.6	128	70-130	
2-Hexanone	ug/L	20	21.3	107	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.9	110	70-130	
Acetone	ug/L	20	32.1	160	70-130	L1
Benzene	ug/L	20	19.0	95	70-130	
Bromochloromethane	ug/L	20	24.3	121	70-130	
Bromodichloromethane	ug/L	20	17.1	86	70-130	
Bromoform	ug/L	20	14.4	72	70-130	
Bromomethane	ug/L	20	31.1	155	70-130	L3
Carbon disulfide	ug/L	20	20.7	104	70-130	
Carbon tetrachloride	ug/L	20	20.5	103	70-130	
Chlorobenzene	ug/L	20	20.2	101	70-130	
Chloroethane	ug/L	20	22.7	113	70-130	
Chloroform	ug/L	20	25.5	128	70-130	
Chloromethane	ug/L	20	25.7	128	70-130	
cis-1,2-Dichloroethene	ug/L	20	26.1	131	70-130	L1
cis-1,3-Dichloropropene	ug/L	20	16.5	82	70-130	
Dibromochloromethane	ug/L	20	15.9	79	70-130	

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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project: 2H/4H  
Pace Project No.: 3028135

LABORATORY CONTROL SAMPLE: 173855

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	20.7	103	70-130	
Isopropylbenzene (Cumene)	ug/L	20	20.4	102	70-130	
m&p-Xylene	ug/L	40	42.6	106	70-130	
Methyl-tert-butyl ether	ug/L	20	26.7	133	70-130 L1	
Methylene Chloride	ug/L	20	28.3	142	70-130 L1	
n-Butylbenzene	ug/L	20	20.7	104	70-130	
n-Propylbenzene	ug/L	20	21.0	105	70-130	
Naphthalene	ug/L	20	19.6	98	70-130	
o-Xylene	ug/L	20	19.8	99	70-130	
p-Isopropyltoluene	ug/L	20	20.2	101	70-130	
sec-Butylbenzene	ug/L	20	20.6	103	70-130	
Styrene	ug/L	20	20.2	101	70-130	
Tetrachloroethene	ug/L	20	18.3	92	70-130	
Toluene	ug/L	20	20.2	101	70-130	
trans-1,2-Dichloroethene	ug/L	20	26.2	131	70-130 L1	
trans-1,3-Dichloropropene	ug/L	20	16.3	82	70-130	
Trichloroethene	ug/L	20	17.8	89	70-130	
Vinyl chloride	ug/L	20	23.9	119	70-130	
Xylene (Total)	ug/L	60	62.4	104	70-130	
1,2-Dichloroethane-d4 (S)	%			121	70-130	
4-Bromofluorobenzene (S)	%			82	70-130	
Toluene-d8 (S)	%			90	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 173905 173906

Parameter	Units	3028100001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	24.1	22.5	121	113	70-130	7	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	18.0	20.1	90	100	70-130	11	
1,1,2-Trichloroethane	ug/L	ND	20	20	19.3	20.0	96	100	70-130	4	
1,1-Dichloroethane	ug/L	ND	20	20	25.6	24.0	128	120	70-130	7	
1,1-Dichloroethene	ug/L	ND	20	20	16.4	14.9	82	74	70-130	10	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	16.6	18.8	83	94	70-130	13	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	19.3	19.9	96	99	70-130	3	
1,2-Dichlorobenzene	ug/L	ND	20	20	17.9	18.7	90	93	70-130	4	
1,2-Dichloroethane	ug/L	ND	20	20	25.3	23.4	126	117	70-130	8	
1,2-Dichloropropane	ug/L	ND	20	20	18.3	19.4	91	97	70-130	6	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	19.5	19.5	97	97	70-130	.1	
1,3-Dichlorobenzene	ug/L	ND	20	20	18.3	19.0	92	95	70-130	4	
1,4-Dichlorobenzene	ug/L	ND	20	20	18.3	19.5	91	98	70-130	7	
2-Butanone (MEK)	ug/L	ND	20	20	21.1	21.6	105	108	70-130	3	
2-Hexanone	ug/L	ND	20	20	18.9	23.0	94	115	70-130	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	19.6	22.4	98	112	70-130	13	
Acetone	ug/L	ND	20	20	23.8	21.4	119	107	70-130	10	
Benzene	ug/L	ND	20	20	19.5	20.1	98	100	70-130	3	
Bromochloromethane	ug/L	ND	20	20	26.4	23.8	132	119	70-130	11 M0	
Bromodichloromethane	ug/L	ND	20	20	16.5	16.9	82	85	70-130	3	

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(724)850-5600

### QUALITY CONTROL DATA

Project: 2H/4H  
Pace Project No.: 3028135

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 173905 173906											
Parameter	Units	3028100001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Bromoform	ug/L	ND	20	20	13.0	14.0	65	70	70-130	7	M0
Bromomethane	ug/L	ND	20	20	29.5	28.9	148	145	70-130	2	M0
Carbon disulfide	ug/L	ND	20	20	17.9	17.2	90	86	70-130	4	
Carbon tetrachloride	ug/L	ND	20	20	20.4	19.5	102	98	70-130	4	
Chlorobenzene	ug/L	ND	20	20	20.8	21.4	104	107	70-130	3	
Chloroethane	ug/L	ND	20	20	22.2	21.7	111	109	70-130	2	
Chloroform	ug/L	ND	20	20	25.3	23.4	127	117	70-130	8	
Chloromethane	ug/L	ND	20	20	23.8	22.2	119	111	70-130	7	
cis-1,2-Dichloroethene	ug/L	ND	20	20	24.9	23.4	125	117	70-130	6	
cis-1,3-Dichloropropene	ug/L	ND	20	20	15.6	16.4	78	82	70-130	5	
Dibromochloromethane	ug/L	ND	20	20	14.7	15.8	73	79	70-130	7	
Ethylbenzene	ug/L	ND	20	20	20.8	21.6	104	108	70-130	4	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	20.1	20.8	101	104	70-130	4	
m&p-Xylene	ug/L	ND	40	40	43.3	43.6	107	107	70-130	6	
Methyl-tert-butyl ether	ug/L	ND	20	20	23.1	22.7	116	113	70-130	2	
Methylene Chloride	ug/L	ND	20	20	25.6	16.3	128	82	70-130	44	R1
n-Butylbenzene	ug/L	ND	20	20	18.8	19.8	94	99	70-130	5	
n-Propylbenzene	ug/L	ND	20	20	20.6	21.0	103	105	70-130	2	
Naphthalene	ug/L	ND	20	20	16.8	21.5	84	107	70-130	25	
o-Xylene	ug/L	ND	20	20	19.9	20.2	97	98	70-130	1	
p-Isopropyltoluene	ug/L	ND	20	20	19.1	19.7	96	98	70-130	3	
sec-Butylbenzene	ug/L	ND	20	20	20.0	20.8	100	104	70-130	4	
Styrene	ug/L	ND	20	20	20.0	20.5	100	103	70-130	2	
Tetrachloroethene	ug/L	ND	20	20	19.3	19.8	97	99	70-130	2	
Toluene	ug/L	ND	20	20	21.2	21.7	106	108	70-130	2	
trans-1,2-Dichloroethene	ug/L	ND	20	20	25.8	15.9	129	79	70-130	48	R1
trans-1,3-Dichloropropene	ug/L	ND	20	20	15.1	16.2	76	81	70-130	7	
Trichloroethene	ug/L	ND	20	20	18.9	19.6	94	98	70-130	4	
Vinyl chloride	ug/L	ND	20	20	22.4	21.7	112	108	70-130	3	
Xylene (Total)	ug/L	ND	60	60	63.2	63.8	103	104	70-130	8	
1,2-Dichloroethane-d4 (S)	%						114	103	70-130		
4-Bromofluorobenzene (S)	%						71	74	70-130		
Toluene-d8 (S)	%						84	86	70-130		

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

QC Batch:	WET/5704	Analysis Method:	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 HEM, Oil and Grease
Associated Lab Samples: 3028135001, 3028135002, 3028135003			

METHOD BLANK: 174146 Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	05/25/10 17:51	

METHOD BLANK: 174148 Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	05/25/10 17:51	

LABORATORY CONTROL SAMPLE: 174147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	42.1	36.9	88	78-114	

LABORATORY CONTROL SAMPLE: 174149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	42.1	36.3	86	78-114	



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### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

QC Batch:	WET/5705	Analysis Method	EPA 1664A
QC Batch Method:	EPA 1664A	Analysis Description:	1664 SGT-HEM, TPH
Associated Lab Samples: 3028135001, 3028135002, 3028135003			

METHOD BLANK: 174156 Matrix Water  
Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	05/25/10 17:59	

LABORATORY CONTROL SAMPLE: 174157

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	21.1	17.7	84	64-132	

Date: 06/11/2010 05:14 PM

### REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 007110

DIM0227454

DIM0228343



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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

QC Batch: WET/5692 Analysis Method: SM 2310B  
QC Batch Method: SM 2310B Analysis Description: 2310B Acidity, Total  
Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK: 173882 Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acidity, Total	mg/L	ND	10.0	05/24/10 21:00	

SAMPLE DUPLICATE: 173883

Parameter	Units	3027977001 Result	Dup Result	RPD	Qualifiers
Acidity, Total	mg/L	ND	ND		

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

QC Batch: WET/5691 Analysis Method: SM 2320B  
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity  
Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK: 173878 Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	ND	10.0	05/24/10 19 20	

LABORATORY CONTROL SAMPLE: 173879

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	20	20.0	100	85-115	

MATRIX SPIKE SAMPLE. 173880

Parameter	Units	3027977001 Result	Spike Conc	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	94.0	100	188	94	80-120	

SAMPLE DUPLICATE: 173881

Parameter	Units	3027977001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	94.0	96.0	2	

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CABOT-EPA 007112

DIM0227454

DIM0228345





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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

QC Batch: WET/5710 Analysis Method: SM 2540C  
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK: 174332 Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	05/25/10 17:30	

LABORATORY CONTROL SAMPLE: 174333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	915	92	85-115	

SAMPLE DUPLICATE: 174485

Parameter	Units	3028131001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	658	642	2	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

QC Batch:	WET/5681	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples 3028135001, 3028135002, 3028135003			

SAMPLE DUPLICATE: 173463

Parameter	Units	3028135003 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.0	.1	H6

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# QUALITY CONTROL DATA

Project. XXXXXXXXXX 2H/4H  
Pace Project No : 3028135

QC Batch:	WET/5680	Analysis Method:	SM 5540C
QC Batch Method:	SM 5540C	Analysis Description:	5540C MBAS Surfactants
Associated Lab Samples: 3028135001, 3028135002, 3028135003			

METHOD BLANK: 173426 Matrix: Water

Associated Lab Samples 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.10	05/21/10 21:00	

LABORATORY CONTROL SAMPLE: 173427

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	1	0.92	92	85-115	SU

MATRIX SPIKE SAMPLE: 173429

Parameter	Units	3028135003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	0.11	1	1.1	95	85-115	

SAMPLE DUPLICATE: 173428

Parameter	Units	3028135002 Result	Dup Result	RPD	Qualifiers
Surfactants	mg/L	ND	.056J		



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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028135

QC Batch:	WETA/4321	Analysis Method:	EPA 350.1
QC Batch Method:	EPA 350.1	Analysis Description:	350.1 Ammonia, Distilled
Associated Lab Samples: 3028135001, 3028135002, 3028135003			

METHOD BLANK: 174554 Matrix: Water  
Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ammonia, Distilled	mg/L	ND	0.10	05/26/10 12:45	

LABORATORY CONTROL SAMPLE: 174555

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ammonia, Distilled	mg/L	4	3.8	96	85-115	

MATRIX SPIKE SAMPLE: 174556

Parameter	Units	3028018006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ammonia, Distilled	mg/L	0.19	4	3.7	89	85-115	

SAMPLE DUPLICATE: 174557

Parameter	Units	3028018006 Result	Dup Result	RPD	Qualifiers
Ammonia, Distilled	mg/L	0.19	0.24	27	R1

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No : 3028135

QC Batch: WETA/4311 Analysis Method: SM 4500-Cl-E  
QC Batch Method: SM 4500-Cl-E Analysis Description: 4500 Chloride  
Associated Lab Samples: 3028135001, 3028135002, 3028135003

METHOD BLANK: 174099 Matrix: Water

Associated Lab Samples: 3028135001, 3028135002, 3028135003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	05/25/10 00.00	

LABORATORY CONTROL SAMPLE: 174100

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	40.2	100	85-115	

MATRIX SPIKE SAMPLE: 174101

Parameter	Units	3028198002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	1980	20	1550	-2160	85-115	M1

SAMPLE DUPLICATE: 174102

Parameter	Units	3028198002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	1980	1790	10	

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## QUALIFIERS

Project: [REDACTED] 2H/4H  
Pace Project No : 3028135

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.  
ND - Not Detected at or above adjusted reporting limit.  
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.  
MDL - Adjusted Method Detection Limit.  
S - Surrogate  
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable  
U - Indicates the compound was analyzed for, but not detected  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

### LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

### WORKORDER QUALIFIERS

WO. 3028135  
[1] This project was revised on 6/11/10 in order to Jflag dissolved Tl.

### BATCH QUALIFIERS

Batch: OEXT/4955  
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume  
Batch: OEXT/4956  
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.  
Batch: OEXT/4957  
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.  
H6 Analysis initiated more than 15 minutes after sample collection.  
L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits  
L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits Results for this analyte in associated samples may be biased high.  
L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits Analyte presence below reporting limits in associated samples. Results unaffected by high bias.  
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits  
M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
R1 RPD value was outside control limits.  
SU MBAS, calculated as LAS, Mol wt 342.2 g/mol

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: XXXXXXXXXX 2H/4H  
Pace Project No : 3028135

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3028135001	MW-2	EPA 3510	OEXT/4955	EPA 8015B Modified	GCSV/2511
3028135002	MW-4	EPA 3510	OEXT/4955	EPA 8015B Modified	GCSV/2511
3028135003	MW-1	EPA 3510	OEXT/4955	EPA 8015B Modified	GCSV/2511
3028135001	MW-2	EPA 5030/8015 Mod.	GCV/1348		
3028135002	MW-4	EPA 5030/8015 Mod.	GCV/1348		
3028135003	MW-1	EPA 5030/8015 Mod.	GCV/1348		
3028135004	TRIP BLANK	EPA 5030/8015 Mod.	GCV/1348		
3028135001	MW-2	EPA 3005	MPRP/3905	EPA 6010B	ICP/3502
3028135002	MW-4	EPA 3005	MPRP/3905	EPA 6010B	ICP/3502
3028135003	MW-1	EPA 3005	MPRP/3905	EPA 6010B	ICP/3502
3028135001	MW-2	EPA 3005	MPRP/3904	EPA 6010	ICP/3501
3028135002	MW-4	EPA 3005	MPRP/3904	EPA 6010	ICP/3501
3028135003	MW-1	EPA 3005	MPRP/3904	EPA 6010	ICP/3501
3028135001	MW-2	EPA 7470	MERP/1943	EPA 7470	MERC/1896
3028135002	MW-4	EPA 7470	MERP/1943	EPA 7470	MERC/1896
3028135003	MW-1	EPA 7470	MERP/1943	EPA 7470	MERC/1896
3028135001	MW-2	EPA 7470	MERP/1942	EPA 7470	MERC/1895
3028135002	MW-4	EPA 7470	MERP/1942	EPA 7470	MERC/1895
3028135003	MW-1	EPA 7470	MERP/1942	EPA 7470	MERC/1895
3028135001	MW-2	EPA 3510	OEXT/4957	EPA 8270 by SIM	MSSV/2125
3028135002	MW-4	EPA 3510	OEXT/4957	EPA 8270 by SIM	MSSV/2125
3028135003	MW-1	EPA 3510	OEXT/4957	EPA 8270 by SIM	MSSV/2125
3028135001	MW-2	EPA 3510	OEXT/4956	EPA 8270	MSSV/2126
3028135002	MW-4	EPA 3510	OEXT/4956	EPA 8270	MSSV/2126
3028135003	MW-1	EPA 3510	OEXT/4956	EPA 8270	MSSV/2126
3028135001	MW-2	EPA 8260	MSV/5909		
3028135002	MW-4	EPA 8260	MSV/5909		
3028135003	MW-1	EPA 8260	MSV/5909		
3028135004	TRIP BLANK	EPA 8260	MSV/5909		
3028135001	MW-2	EPA 1664A	WET/5704		
3028135002	MW-4	EPA 1664A	WET/5704		
3028135003	MW-1	EPA 1664A	WET/5704		
3028135001	MW-2	EPA 1664A	WET/5705		
3028135002	MW-4	EPA 1664A	WET/5705		
3028135003	MW-1	EPA 1664A	WET/5705		
3028135001	MW-2	SM 2310B	WET/5692		
3028135002	MW-4	SM 2310B	WET/5692		
3028135003	MW-1	SM 2310B	WET/5692		
3028135001	MW-2	SM 2320B	WET/5691		
3028135002	MW-4	SM 2320B	WET/5691		
3028135003	MW-1	SM 2320B	WET/5691		
3028135001	MW-2	SM 2540C	WET/5710		

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### REPORT OF LABORATORY ANALYSIS

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(724)850-6600

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028135

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3028135002	MW-4	SM 2540C	WET/5710		
3028135003	MW-1	SM 2540C	WET/5710		
3028135001	MW-2	SM 4500-H+B	WET/5681		
3028135002	MW-4	SM 4500-H+B	WET/5681		
3028135003	MW-1	SM 4500-H+B	WET/5681		
3028135001	MW-2	SM 5540C	WET/5680		
3028135002	MW-4	SM 5540C	WET/5680		
3028135003	MW-1	SM 5540C	WET/5680		
3028135001	MW-2	EPA 350.1	WETA/4321		
3028135002	MW-4	EPA 350.1	WETA/4321		
3028135003	MW-1	EPA 350.1	WETA/4321		
3028135001	MW-2	SM 4500-CI-E	WETA/4311		
3028135002	MW-4	SM 4500-CI-E	WETA/4311		
3028135003	MW-1	SM 4500-CI-E	WETA/4311		

Date: 06/11/2010 05:14 PM

### REPORT OF LABORATORY ANALYSIS

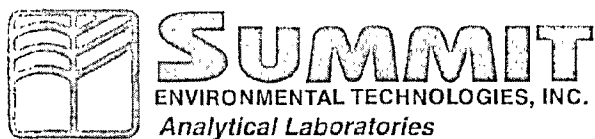
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CABOT-EPA 007120





## LABORATORY REPORT

### Client

Pace Analytical  
1638 Roseytown Road  
Greensburg, PA 15601

### Order Number

1007678

### Project Number

3028135

### Issued

Wednesday, May 26, 2010

### Total Number of Pages

4 (excluding C.O.C. and cooler receipt form)

Approved By :

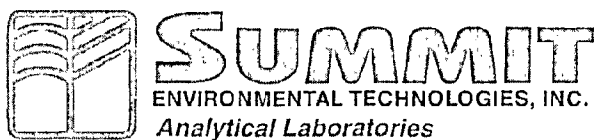
A handwritten signature in cursive script, appearing to read "R. S. Libas".

QA Manager

NELAC Accreditation #E87688

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Web Site: [www.settek.com](http://www.settek.com)

CABOT-EPA 007121



### Sample Summary

Client: Pace Analytical

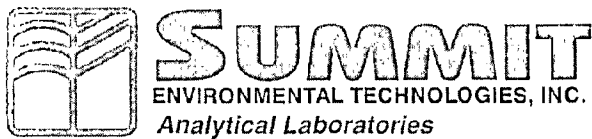
Order Number: 1007678

---

Laboratory ID	Client ID	Matrix	Sampling Date
1007678-01	3028135-001	Liquid	5/20/2010
1007678-02	3028135-002	Liquid	5/20/2010
1007678-03	3028135-003	Liquid	5/20/2010

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CABOT-EPA 007122



## Report Narrative

Client: Pace Analytical

Order Number: 1007678

No problems were encountered during analysis of this order number, except as noted.

### Data Qualifiers:

B = Analyte found in the method blank  
J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)  
C = Analyte has been confirmed by another instrument or method  
E = Analyte exceeds the upper limit of the calibration curve.  
D = Sample or extract was analyzed at a higher dilution  
X = User defined data qualifier.  
S = Surrogate out of control limits  
U = Undetected  
a = Not Accredited by NELAC

ND = Non Detected at LOQ  
DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor)  
Limit Of Detection (LOD) = Laboratory Detection Limit

Matrices:
A = Air
C = Cream
DW = Drinking Water
L = Liquid
O = Oil
SL = Sludge
SO = Soil
S = Solid
T = Tablet
TC = TCLP Extract
WW = Waste Water
W = Wipe

Estimated uncertainty values are available upon request.

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

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May 26, 2010

Client: Pace Analytical  
Address: 1638 Roseytown Road  
Greensburg, PA 15601

Received: 5/25/2010

Project #: 3028135

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3028135-001	1007678-01	20-May-10	Ethylene glycol	ND	mg/L	L	8015	1	10	25-May-10	JBN

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3028135-002	1007678-02	20-May-10	Ethylene glycol	ND	mg/L	L	8015	1	10	25-May-10	JBN

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3028135-003	1007678-03	20-May-10	Ethylene glycol	ND	mg/L	L	8015	1	10	25-May-10	JBN

Page 4

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CABOT-EPA 007124





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### Sample Condition Upon Receipt

Client Name: URSProject # 3028135Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ noPacking Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other \_\_\_\_\_Thermometer Used 3 5Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begunCooler Temperature 5.1

Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 5-2-10

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12
-Includes date/time/ID/Analysis Matrix:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing preservation have been checked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: <u>VOA</u> , coliform, TOC <u>O&amp;G</u> , <u>WI-DRO</u> (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>5-2-10</u> Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: 5/24/10

Note. Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010

CABOT-EPA 007127

# Chain of Custody



Pace Analytical Services, Inc.  
1638 Roseytown Road  
Suites 2,3, & 4  
Greensburg, PA 15601  
Phone: (724) 850-5600  
FAX: (724) 850-5601

Subcontractor Project No.:

P.O. No: ASR- 3028135

Request Date: 5/24/10

Analysis Due Date: ASAP

Shipped By: Fed Ex

Certification Required: PA Cert

Pace Project No.: 3028135

Report/Invoice to: Tim Reed

Page 1 of 1

	Pace Sample ID:	Matrix:	Collection Date:	Time:	Analysis Requested:	Analytical Method:	Detection Limits:	Units Requested:
1	3028125001	WT	5/20/10		Ethylene Glycol			
2	3028125002	WT	5/20/10		Ethylene Glycol			
3	3028125003	WT	5/20/10		Ethylene Glycol			
4								
5	3028135							
6								
7								
8								
9								
10								
11								
12								

Special Requirements:

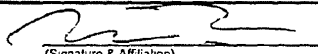
Subcontract Lab: Summit Environmental Technologies, Inc.  
Address: 3310 Win Street  
Cuyahoga Falls, OH 44223  
Phone: 330-253-8211

Analysis Authorized By:

Pace Agent Name Title


Acceptance of Terms By:

Subcontract Lab Agent Title

Relinquished By:  5-24-10 10:00  
(Signature & Affiliation) (Date) (Time)

Relinquished By:   
(Signature & Affiliation) (Date) (Time)

Comments:

Received By:  5/25/10 11:00  
(Signature & Affiliation) (Date) (Time)

Received By:   
(Signature & Affiliation) (Date) (Time)

ASR (C015-0 31 July 2007)

CABOT-EPA 007128

DIM0227454

DIM0228361



**Summit Environmental Technologies, Inc.  
Cooler Receipt Form**

Client: PACE Order Number: 1007678  
 Date Received: 5/25/00 Time Received: 10:00  
 Number of Coolers/Boxes: 1 N/A

Shipper: FED EX UPS DHL Airborne US Postal Walk-in Pickup Other: \_\_\_\_\_

Packaging: Peaputs Bubble Wrap Paper Foam None Other: \_\_\_\_\_

Tape on cooler/box:	<u>Y</u>	N	N/A
Custody Seals intact	<u>Y</u>	N	N/A
C-O-C in plastic	<u>Y</u>	N	N/A
Ice _____ Blue ice _____	<u>present</u> / absent / melted		N/A
Sample Temperature	<u>3-0</u> °C		N/A
C-O-C filled out properly	<u>Y</u>	N	N/A
Samples in separate bags	<u>Y</u>	N	N/A
Sample containers intact*	<u>Y</u>	N	N/A

\*If no, list broken sample(s): \_\_\_\_\_

Sample label(s) complete (ID, date, etc.)	<u>Y</u>	N	N/A
Label(s) agree with C-O-C	<u>Y</u>	N	N/A
Correct containers used	<u>Y</u>	N	N/A
Sufficient sample received	<u>Y</u>	N	N/A
Bubbles absent from 40 mL vials**	<u>Y</u>	N	<u>N/A</u>

\*\* Samples with bubbles less than the size of a pea are acceptable.

Was client contacted about samples	<u>Y</u>	N
Will client send new samples	<u>Y</u>	N

Client contact: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Logged in by: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**


May 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

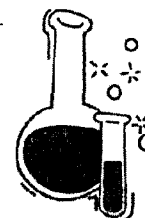
Date Sampled: 20-May-10  
Time Sampled: 13:00  
Date Received: 20-May-10  
Time Received: 21:15  
Sampled by: Amanda Bayne - URS

MW-2

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	1080	cfu/ 100 ml	SM <sub>20</sub> 9222 B	20-May-10	21:35
Fecal Coliform	600	cfu/ 100 ml	SM <sub>20</sub> 9222 B	20-May-10	21:35
Fecal Coliform	620	cfu/ 100 ml	SM <sub>20</sub> 9222 D	20-May-10	21:15
Fecal Strep	14	cfu/ 100 ml	SM <sub>20</sub> 9230 C	20-May-10	21:45

  
Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 007130

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**


May 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 20-May-10  
Time Sampled: 14:00  
Date Received: 20-May-10  
Time Received: 21:15  
Sampled by: Amanda Bayne - URS

MW-4

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	800	cfu/ 100 ml	SM <sub>20</sub> 9222 B	20-May-10	21:35
Fecal Coliform	800	cfu/ 100 ml	SM <sub>20</sub> 9222 B	20-May-10	21:35
Fecal Coliform	600	cfu/ 100 ml	SM <sub>20</sub> 9222 D	20-May-10	21:15
Fecal Strep	180	cfu/ 100 ml	SM <sub>20</sub> 9230 C	20-May-10	21:45

  
Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 007131

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**


May 26, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

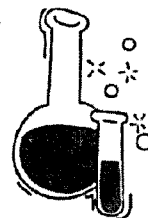
Date Sampled: 20-May-10  
Time Sampled: 15:45  
Date Received: 20-May-10  
Time Received: 21:15  
Sampled by: Amanda Bayne - URS

MW-1

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	110	cfu/ 100 ml	SM <sub>20</sub> 9222 B	20-May-10	21:35
Fecal Coliform	30	cfu/ 100 ml	SM <sub>20</sub> 9222 B	20-May-10	21:35
Fecal Coliform	30	cfu/ 100 ml	SM <sub>20</sub> 9222 D	20-May-10	21:15
Fecal Strep	84	cfu/ 100 ml	SM <sub>20</sub> 9230 C	20-May-10	21:45

  
Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 007132

# CHAIN OF CUSTODY

## Special Requirements

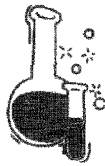
PA DEP ASTM TCLP  
RCRA JUST FORM U  
FORM 43

Other \_\_\_\_\_  
pH \_\_\_\_\_ Temp \_\_\_\_\_

TAT RUSH 3 day NORMAL

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.  
Dickson City Industrial Park  
824 Enterprise Street  
Dickson City, PA 18519-1593



DW - Drinking Water SL - Sludge  
GW - Ground Water SO - Sol  
SW - Surface Water HZ - Hazardous  
WW - Waste Water Other

Phone: (570) 489-8964

Page 1 of 1

Fax: (570) 489-8965

Report to: James - Pinta@urscorp.com

Andy - mehaliko@urscorp.com

Amanda - Bayne@urscorp.com

Contact: David - Testa@urscorp.com

Phone: 412-503-4700 Fax: 412-503-4701

Bill to: David - Testa@urscorp.com

URS Corporation

501 Holiday Drive, Suite 300  
Pittsburgh PA 15220

## PROJECT:

Location  
Sample Description

Date Sampled

Time Sampled

Matrix

Vol of Cont / Size

PRSV / Cont Type

Grab / Composite

Total / Cal Form

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

Field / Lab

## Comments:

Sample: Amanda - Bayne / URS Submittal: (Owner) - Quantum

Received by: Andy Date: 5-20-10 Time: 1600

Received by: Andy Date: 5-20-10 Time: 1700

Intact Containers ☒ N

COC Complete ☒ N

Properly Preserved ☒ N

Within Holding Times ☒ N

Labels Match COC ☒ N

Rec'd on Ice ☒ N



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

June 11, 2010

Mr. Jim Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

RE: Project: [REDACTED] 2H/4H  
Pace Project No.: 3028907

Dear Mr. Pinta:

Enclosed are the analytical results for sample(s) received by the laboratory on June 04, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Timothy Reed

timothy.reed@pacelabs.com  
Project Manager

Enclosures

#### REPORT OF LABORATORY ANALYSIS

Page 1 of 56

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CABOT-EPA 007134



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## CERTIFICATIONS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028907

### Pennsylvania Certification IDs

1638 Roseytown Road Suites 2,3&4 Greensburg, PA  
15601  
Wyoming Certification #: 8TMS-Q  
Wisconsin/PADEP Certification  
West Virginia Certification #: 143  
Washington Certification #: C1941  
Virginia Certification #: 00112  
Virgin Island/PADEP Certification  
Utah/NELAC Certification #: ANTE  
Texas/NELAC Certification #: T104704188-09 TX  
Tennessee Certification #: TN2867  
South Dakota Certification  
Puerto Rico Certification #: PA01457  
Pennsylvania/NELAC Certification #: 65-00282  
Oregon/NELAC Certification #: PA200002  
North Carolina Certification #: 42706  
New York/NELAC Certification #: 10888  
New Mexico Certification  
New Jersey/NELAC Certification #: PA 051  
New Hampshire/NELAC Certification #: 2976  
Nevada Certification  
Montana Certification #: Cert 0082  
Missouri Certification #: 235

Michigan/PADEP Certification  
Massachusetts Certification #: M-PA1457  
Maryland Certification #: 308  
Maine Certification #: PA0091  
Louisiana/NELAC Certification #: LA080002  
Louisiana/NELAC Certification #: 4086  
Kentucky Certification #: 90133  
Kansas/NELAC Certification #: E-10358  
Iowa Certification #: 391  
Indiana/PADEP Certification  
Illinois/PADEP Certification  
Idaho Certification  
Hawaii/PADEP Certification  
Guam/PADEP Certification  
Florida/NELAC Certification #: E87683  
Delaware Certification  
Connecticut Certification #: PH 0694  
Colorado Certification  
California/NELAC Certification #: 04222CA  
Arkansas Certification  
Arizona Certification #: AZ0734  
Alabama Certification #: 41590

## REPORT OF LABORATORY ANALYSIS

Page 2 of 56

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CABOT-EPA 007135



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

### SAMPLE ANALYTE COUNT

Project. [REDACTED] 2H/4H  
Pace Project No.: 3028907

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3028907001	MW-1	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	SAB	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	SAB	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	EAC	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3028907002	MW-X	EPA 8015B Modified	CWB	2	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	SAB	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	SAB	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	EAC	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3028907003	MW-2	EPA 8015B Modified	CWB	2	PASI-PA

### REPORT OF LABORATORY ANALYSIS

Page 3 of 56

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CABOT-EPA 007136





Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5800

### SAMPLE ANALYTE COUNT

Project. XXXXXXXXXX 2H/4H  
Pace Project No : 3028907

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3028907004	MW-4	EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	SAB	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	SAB	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	EAC	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
		EPA 8015B Modified	CWB	2	PASI-PA
		EPA 5030/8015 Mod.	MAK	2	PASI-PA
		EPA 6010B	SAB	24	PASI-PA
		EPA 6010	SAB	24	PASI-PA
		EPA 7470	CTS	1	PASI-PA
		EPA 7470	SAB	1	PASI-PA
		EPA 8270 by SIM	SPL	19	PASI-PA
		EPA 8270	SPL	75	PASI-PA
		EPA 8260	EAC	54	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		EPA 1664A	DLH	1	PASI-PA
		SM 2310B	JMC	1	PASI-PA
		SM 2320B	JMC	1	PASI-PA
		SM 2540C	JMC	1	PASI-PA
		SM 4500-H+B	JMC	1	PASI-PA
		SM 5540C	DLD	1	PASI-PA
		EPA 350.1	DJT	1	PASI-PA
		SM 4500-CI-E	DJT	1	PASI-PA
3028907005	TRIP BLANK	EPA 8260	EAC	54	PASI-PA

### REPORT OF LABORATORY ANALYSIS

Page 4 of 56

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CABOT-EPA 007137

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-1		Lab ID: 3028907001	Collected: 06/03/10 14:30	Received: 06/04/10 14:30	Matrx. Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>								
		Analytical Method: EPA 8015B Modified Preparation Method: EPA 3510						
Diesel Components	ND mg/L		0.11	1	06/08/10 10:16	06/08/10 22:02		
o-Terphenyl (S)	59 %		50-150	1	06/08/10 10:16	06/08/10 22:02	84-15-1	
<b>Gasoline Range Organics</b>								
		Analytical Method: EPA 5030/8015 Mod.						
TPH (C06-C10)	ND ug/L		200	1		06/10/10 16:05		
4-Bromofluorobenzene (S)	109 %		70-130	1		06/10/10 16:05	460-00-4	
<b>6010 MET ICP</b>								
		Analytical Method: EPA 6010B Preparation Method: EPA 3005						
Aluminum	3170 ug/L		50.0	1	06/07/10 19:27	06/10/10 11:45	7429-90-5	
Antimony	ND ug/L		5.0	1	06/07/10 19:27	06/10/10 11:45	7440-36-0	
Arsenic	ND ug/L		5.0	1	06/07/10 19:27	06/10/10 11:45	7440-38-2	
Barium	181 ug/L		10.0	1	06/07/10 19:27	06/10/10 11:45	7440-39-3	
Beryllium	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 11:45	7440-41-7	
Boron	ND ug/L		50.0	1	06/07/10 19:27	06/10/10 11:45	7440-42-8	
Cadmium	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 11:45	7440-43-9	
Calcium	40500 ug/L		1000	1	06/07/10 19:27	06/10/10 11:45	7440-70-2	
Chromium	5.6 ug/L		5.0	1	06/07/10 19:27	06/10/10 11:45	7440-47-3	
Cobalt	ND ug/L		5.0	1	06/07/10 19:27	06/10/10 11:45	7440-48-4	
Copper	ND ug/L		5.0	1	06/07/10 19:27	06/10/10 11:45	7440-50-8	
Iron	3950 ug/L		50.0	1	06/07/10 19:27	06/10/10 11:45	7439-89-6	
Lead	5.2 ug/L		2.0	1	06/07/10 19:27	06/10/10 11:45	7439-92-1	
Magnesium	9090 ug/L		200	1	06/07/10 19:27	06/10/10 11:45	7439-95-4	
Manganese	128 ug/L		5.0	1	06/07/10 19:27	06/10/10 11:45	7439-96-5	
Molybdenum	ND ug/L		20.0	1	06/07/10 19:27	06/10/10 11:45	7439-98-7	
Nickel	ND ug/L		10.0	1	06/07/10 19:27	06/10/10 11:45	7440-02-0	
Potassium	2570 ug/L		500	1	06/07/10 19:27	06/10/10 11:45	7440-09-7	
Selenium	ND ug/L		5.0	1	06/07/10 19:27	06/10/10 11:45	7782-49-2	
Silver	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 14:42	7440-22-4	
Sodium	7460 ug/L		1000	1	06/07/10 19:27	06/10/10 11:45	7440-23-5	
Thallium	ND ug/L		10.0	1	06/07/10 19:27	06/10/10 11:45	7440-28-0	
Vanadium	ND ug/L		5.0	1	06/07/10 19:27	06/10/10 11:45	7440-62-2	
Zinc	ND ug/L		10.0	1	06/07/10 19:27	06/10/10 11:45	7440-66-6	
<b>6010 MET ICP, Lab Filtered</b>								
		Analytical Method: EPA 6010 Preparation Method: EPA 3005						
Aluminum, Dissolved	ND ug/L		50.0	1	06/08/10 16:14	06/10/10 14:43	7429-90-5	
Antimony, Dissolved	5.7 ug/L		5.0	1	06/08/10 16:14	06/10/10 14:43	7440-36-0	
Arsenic, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:43	7440-38-2	
Barium, Dissolved	108 ug/L		10.0	1	06/08/10 16:14	06/10/10 14:43	7440-39-3	
Beryllium, Dissolved	ND ug/L		1.0	1	06/08/10 16:14	06/10/10 14:43	7440-41-7	
Boron, Dissolved	ND ug/L		50.0	1	06/08/10 16:14	06/10/10 14:43	7440-42-8	
Cadmium, Dissolved	ND ug/L		1.0	1	06/08/10 16:14	06/10/10 14:43	7440-43-9	
Calcium, Dissolved	40100 ug/L		1000	1	06/08/10 16:14	06/10/10 14:43	7440-70-2	
Chromium, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:43	7440-47-3	
Cobalt, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:43	7440-48-4	
Copper, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:43	7440-50-8	
Iron, Dissolved	ND ug/L		50.0	1	06/08/10 16:14	06/10/10 14:43	7439-89-6	

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CABOT-EPA 007138



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-1	Lab ID: 3028907001	Collected: 06/03/10 14:30	Received: 06/04/10 14:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
6010 MET ICP, Lab Filtered Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Lead, Dissolved	ND	ug/L	2.0	1	06/08/10 16:14	06/10/10 15:33	7439-92-1	
Magnesium, Dissolved	8690	ug/L	200	1	06/08/10 16:14	06/10/10 14:43	7439-95-4	
Manganese, Dissolved	34.0	ug/L	5.0	1	06/08/10 16:14	06/10/10 14:43	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	06/08/10 16:14	06/10/10 14:43	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	06/08/10 16:14	06/10/10 14:43	7440-02-0	
Potassium, Dissolved	1620	ug/L	500	1	06/08/10 16:14	06/10/10 14:43	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	06/08/10 16:14	06/10/10 14:43	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	06/08/10 16:14	06/10/10 15:33	7440-22-4	
Sodium, Dissolved	7400	ug/L	1000	1	06/08/10 16:14	06/10/10 14:43	7440-23-5	
Thallium, Dissolved	ND	ug/L	10.0	1	06/08/10 16:14	06/10/10 14:43	7440-28-0	
Vanadium, Dissolved	ND	ug/L	5.0	1	06/08/10 16:14	06/10/10 14:43	7440-62-2	
Zinc, Dissolved	ND	ug/L	10.0	1	06/08/10 16:14	06/10/10 14:43	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	1	06/07/10 13:50	06/08/10 05:38	7439-97-6	
7470 Mercury, Lab Filtered Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND	ug/L	0.20	1	06/09/10 16:52	06/10/10 01:50	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	2.7	1	06/08/10 10:15	06/09/10 12:07	83-32-9	
Acenaphthylene	ND	ug/L	2.7	1	06/08/10 10:15	06/09/10 12:07	208-96-8	
Anthracene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	207-08-9	
Chrysene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	53-70-3	
Fluoranthene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	205-44-0	
Fluorene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	193-39-5	
Naphthalene	ND	ug/L	1.1	1	06/08/10 10:15	06/09/10 12:07	91-20-3	
Phenanthrene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	85-01-8	
Pyrene	ND	ug/L	0.22	1	06/08/10 10:15	06/09/10 12:07	129-00-0	
Nitrobenzene-d5 (S)	66	%	35-114	1	06/08/10 10:15	06/09/10 12:07	4165-60-0	
2-Fluorobiphenyl (S)	58	%	43-116	1	06/08/10 10:15	06/09/10 12:07	321-60-8	
Terphenyl-d14 (S)	78	%	33-141	1	06/08/10 10:15	06/09/10 12:07	1718-51-0	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	83-32-9	
Acenaphthylene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	208-96-8	
Anthracene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	120-12-7	
Azobenzene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	103-33-3	
Benzo(a)anthracene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	56-55-3	

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CABOT-EPA 007139

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H

Pace Project No.: 3028907

Sample: MW-1		Lab ID: 3028907001	Collected: 06/03/10 14:30	Received: 06/04/10 14:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Benzo(a)pyrene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	207-08-9	
Benzoic acid	ND ug/L		110	1	06/08/10 10:13	06/08/10 16:40	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	85-68-7	
Carbazole	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	7005-72-3	
Chrysene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	84-66-2	
2,4-Dimethylphenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 16:40	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 16:40	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	117-81-7	
Fluoranthene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	206-44-0	
Fluorene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	193-39-5	
Isophorone	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	78-59-1	
1-Methylnaphthalene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	90-12-0	
2-Methylnaphthalene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 16:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		2.2	1	06/08/10 10:13	06/08/10 16:40		

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CABOT-EPA 007140



Pace Analytical Services, Inc.  
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(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H

Pace Project No.: 3028907

Sample: MW-1 Lab ID: 3028907001 Collected: 06/03/10 14.30 Received: 06/04/10 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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**8270 MSSV Semivolatile Organic** Analytical Method: EPA 8270 Preparation Method: EPA 3510

Naphthalene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	91-20-3
2-Nitroaniline	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 16:40	88-74-4
3-Nitroaniline	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 16:40	99-09-2
4-Nitroaniline	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 16:40	100-01-6
Nitrobenzene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	98-95-3
2-Nitrophenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	88-75-5
4-Nitrophenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	100-02-7
N-Nitrosodimethylamine	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	62-75-9
N-Nitroso-di-n-propylamine	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	621-64-7
N-Nitrosodiphenylamine	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	86-30-6
Pentachlorophenol	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 16:40	87-86-5
Phenanthrene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	85-01-8
Phenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	108-95-2
Pyrene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	129-00-0
1,2,4-Trichlorobenzene	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	120-82-1
2,4,5-Trichlorophenol	ND ug/L	2.7	1	06/08/10 10:13	06/08/10 16:40	95-95-4
2,4,6-Trichlorophenol	ND ug/L	1.1	1	06/08/10 10:13	06/08/10 16:40	88-06-2
Nitrobenzene-d5 (S)	65 %	35-114	1	06/08/10 10:13	06/08/10 16:40	4165-60-0
2-Fluorobiphenyl (S)	55 %	43-116	1	06/08/10 10:13	06/08/10 16:40	321-60-8
Terphenyl-d14 (S)	87 %	33-141	1	06/08/10 10:13	06/08/10 16:40	1718-51-0
Phenol-d6 (S)	20 %	10-110	1	06/08/10 10:13	06/08/10 16:40	13127-88-3
2-Fluorophenol (S)	33 %	21-110	1	06/08/10 10:13	06/08/10 16:40	367-12-4
2,4,6-Tribromophenol (S)	56 %	10-123	1	06/08/10 10:13	06/08/10 16:40	118-79-6

**8260 MSV**

Analytical Method: EPA 8260

1,1,1-Trichloroethane	ND ug/L	1.0	1	06/08/10 18:08	71-55-6
1,1,2,2-Tetrachloroethane	ND ug/L	1.0	1	06/08/10 18:08	79-34-5
1,1,2-Trichloroethane	ND ug/L	1.0	1	06/08/10 18:08	79-00-5
1,1-Dichloroethane	ND ug/L	1.0	1	06/08/10 18:08	75-34-3
1,1-Dichloroethene	ND ug/L	1.0	1	06/08/10 18:08	75-35-4
1,2,4-Trichlorobenzene	ND ug/L	1.0	1	06/08/10 18:08	120-82-1
1,2,4-Trimethylbenzene	ND ug/L	1.0	1	06/08/10 18:08	95-63-6
1,2-Dichlorobenzene	ND ug/L	1.0	1	06/08/10 18:08	95-50-1
1,2-Dichloroethane	ND ug/L	1.0	1	06/08/10 18:08	107-06-2
1,2-Dichloroethene (Total)	ND ug/L	2.0	1	06/08/10 18:08	540-59-0
1,2-Dichloropropane	ND ug/L	1.0	1	06/08/10 18:08	78-87-5
1,3,5-Trimethylbenzene	ND ug/L	1.0	1	06/08/10 18:08	108-67-8
1,3-Dichlorobenzene	ND ug/L	1.0	1	06/08/10 18:08	541-73-1
1,4-Dichlorobenzene	ND ug/L	1.0	1	06/08/10 18:08	106-46-7
2-Butanone (MEK)	ND ug/L	10.0	1	06/08/10 18:08	78-93-3
2-Hexanone	ND ug/L	10.0	1	06/08/10 18:08	591-78-6
4-Methyl-2-pentanone (MIBK)	ND ug/L	10.0	1	06/08/10 18:08	108-10-1
Acetone	ND ug/L	10.0	1	06/08/10 18:08	67-64-1
Benzene	ND ug/L	1.0	1	06/08/10 18:08	71-43-2
Bromochloromethane	ND ug/L	1.0	1	06/08/10 18:08	74-97-5
Bromodichloromethane	ND ug/L	1.0	1	06/08/10 18:08	75-27-4
Bromoform	ND ug/L	1.0	1	06/08/10 18:08	75-25-2

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CABOT-EPA 007141

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-1		Lab ID: 3028907001	Collected: 06/03/10 14:30	Received: 06/04/10 14:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
8260 MSV		Analytical Method: EPA 8260						
Bromomethane	ND	ug/L	1.0	1		06/08/10 18:08	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		06/08/10 18:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		06/08/10 18:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/08/10 18:08	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/08/10 18:08	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/08/10 18:08	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/08/10 18:08	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		06/08/10 18:08	124-48-1	
Ethylbenzene	ND	ug/L	1.0	1		06/08/10 18:08	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		06/08/10 18:08	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/08/10 18:08	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		06/08/10 18:08	75-09-2	
Naphthalene	ND	ug/L	2.0	1		06/08/10 18:08	91-20-3	
Styrene	ND	ug/L	1.0	1		06/08/10 18:08	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/08/10 18:08	127-18-4	
Toluene	ND	ug/L	1.0	1		06/08/10 18:08	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		06/08/10 18:08	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		06/08/10 18:08	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/08/10 18:08	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/08/10 18:08	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/08/10 18:08	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		06/08/10 18:08	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		06/08/10 18:08	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		06/08/10 18:08	103-65-1	
o-Xylene	ND	ug/L	1.0	1		06/08/10 18:08	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/08/10 18:08	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		06/08/10 18:08	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/08/10 18:08	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/08/10 18:08	10061-02-6	
4-Bromofluorobenzene (S)	97 %		70-130	1		06/08/10 18:08	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		70-130	1		06/08/10 18:08	17060-07-0	
Toluene-d8 (S)	101 %		70-130	1		06/08/10 18:08	2037-26-5	
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	ND	mg/L	5.2	1		06/08/10 17:47		
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND	mg/L	5.2	1		06/08/10 17:44		
2310B Acidity, Total		Analytical Method: SM 2310B						
Acidity, Total	ND	mg/L	10.0	1		06/09/10 21:00		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	50.0	mg/L	10.0	1		06/07/10 19:31		

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CABOT-EPA 007142



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-1		Lab ID: 3028907001	Collected 06/03/10 14:30	Received 06/04/10 14:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>	Analytical Method: SM 2540C							
Total Dissolved Solids	266	mg/L	10.0	1		06/07/10 18:35		
<b>4500H+ pH, Electrometric</b>	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.6	Std Units	1.0	1		06/08/10 19:16		H6
<b>5540C MBAS Surfactants</b>	Analytical Method: SM 5540C							
Surfactants	ND	mg/L	0.10	1		06/04/10 15:55		
<b>350.1 Ammonia, Distilled</b>	Analytical Method: EPA 350.1							
Ammonia, Distilled	ND	mg/L	0.10	1		06/10/10 11:18		
<b>4500 Chloride</b>	Analytical Method: SM 4500-Cl-E							
Chloride	11.0	mg/L	3.0	1		06/08/10 10:41	16887-00-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-X	Lab ID: 3028907002	Collected: 06/03/10 14:45	Received: 06/04/10 14:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015B Modified Preparation Method: EPA 3510								
Diesel Components	ND	mg/L	0.11	1	06/08/10 10:16	06/08/10 22:26		
o-Terphenyl (S)	55	%	50-150	1	06/08/10 10:16	06/08/10 22:26	84-15-1	
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod								
TPH (C06-C10)	ND	ug/L	200	1		06/10/10 16:22		
4-Bromofluorobenzene (S)	116	%	70-130	1		06/10/10 16:22	460-00-4	
<b>6010 MET ICP</b> Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	2880	ug/L	50.0	1	06/07/10 19:27	06/10/10 11:57	7429-90-5	
Antimony	ND	ug/L	5.0	1	06/07/10 19:27	06/10/10 11:57	7440-36-0	
Arsenic	ND	ug/L	5.0	1	06/07/10 19:27	06/10/10 11:57	7440-38-2	
Barium	180	ug/L	10.0	1	06/07/10 19:27	06/10/10 11:57	7440-39-3	
Beryllium	ND	ug/L	1.0	1	06/07/10 19:27	06/10/10 11:57	7440-41-7	
Boron	ND	ug/L	50.0	1	06/07/10 19:27	06/10/10 11:57	7440-42-8	
Cadmium	ND	ug/L	1.0	1	06/07/10 19:27	06/10/10 11:57	7440-43-9	
Calcium	41500	ug/L	1000	1	06/07/10 19:27	06/10/10 11:57	7440-70-2	
Chromium	6.1	ug/L	5.0	1	06/07/10 19:27	06/10/10 11:57	7440-47-3	
Cobalt	ND	ug/L	5.0	1	06/07/10 19:27	06/10/10 11:57	7440-48-4	
Copper	ND	ug/L	5.0	1	06/07/10 19:27	06/10/10 11:57	7440-50-8	
Iron	3590	ug/L	50.0	1	06/07/10 19:27	06/10/10 11:57	7439-89-6	
Lead	5.3	ug/L	2.0	1	06/07/10 19:27	06/10/10 11:57	7439-92-1	
Magnesium	9260	ug/L	200	1	06/07/10 19:27	06/10/10 11:57	7439-95-4	
Manganese	127	ug/L	5.0	1	06/07/10 19:27	06/10/10 11:57	7439-96-5	
Molybdenum	ND	ug/L	20.0	1	06/07/10 19:27	06/10/10 11:57	7439-98-7	
Nickel	ND	ug/L	10.0	1	06/07/10 19:27	06/10/10 11:57	7440-02-0	
Potassium	2520	ug/L	500	1	06/07/10 19:27	06/10/10 11:57	7440-09-7	
Selenium	ND	ug/L	5.0	1	06/07/10 19:27	06/10/10 11:57	7782-49-2	
Silver	ND	ug/L	1.0	1	06/07/10 19:27	06/10/10 15:00	7440-22-4	
Sodium	7550	ug/L	1000	1	06/07/10 19:27	06/10/10 11:57	7440-23-5	
Thallium	ND	ug/L	10.0	1	06/07/10 19:27	06/10/10 11:57	7440-28-0	
Vanadium	ND	ug/L	5.0	1	06/07/10 19:27	06/10/10 11:57	7440-62-2	
Zinc	ND	ug/L	10.0	1	06/07/10 19:27	06/10/10 11:57	7440-66-6	
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Aluminum, Dissolved	ND	ug/L	50.0	1	06/08/10 16:14	06/10/10 14:55	7429-90-5	
Antimony, Dissolved	ND	ug/L	5.0	1	06/08/10 16:14	06/10/10 14:55	7440-36-0	
Arsenic, Dissolved	ND	ug/L	5.0	1	06/08/10 16:14	06/10/10 14:55	7440-38-2	
Barium, Dissolved	108	ug/L	10.0	1	06/08/10 16:14	06/10/10 14:55	7440-39-3	
Beryllium, Dissolved	ND	ug/L	1.0	1	06/08/10 16:14	06/10/10 14:55	7440-41-7	
Boron, Dissolved	53.2	ug/L	50.0	1	06/08/10 16:14	06/10/10 14:55	7440-42-8	
Cadmium, Dissolved	ND	ug/L	1.0	1	06/08/10 16:14	06/10/10 14:55	7440-43-9	
Calcium, Dissolved	39700	ug/L	1000	1	06/08/10 16:14	06/10/10 14:55	7440-70-2	
Chromium, Dissolved	ND	ug/L	5.0	1	06/08/10 16:14	06/10/10 14:55	7440-47-3	
Cobalt, Dissolved	ND	ug/L	5.0	1	06/08/10 16:14	06/10/10 14:55	7440-48-4	
Copper, Dissolved	ND	ug/L	5.0	1	06/08/10 16:14	06/10/10 14:55	7440-50-8	
Iron, Dissolved	ND	ug/L	50.0	1	06/08/10 16:14	06/10/10 14:55	7439-89-6	

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CABOT-EPA 007144





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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-X	Lab ID: 3028907002	Collected: 06/03/10 14:45	Received: 06/04/10 14:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Lab Filtered Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Lead, Dissolved	ND ug/L		2.0	1	06/08/10 16:14	06/10/10 15:51	7439-92-1	
Magnesium, Dissolved	8630 ug/L		200	1	06/08/10 16:14	06/10/10 14:55	7439-95-4	
Manganese, Dissolved	39.4 ug/L		5.0	1	06/08/10 16:14	06/10/10 14:55	7439-96-5	
Molybdenum, Dissolved	ND ug/L		20.0	1	06/08/10 16:14	06/10/10 14:55	7439-98-7	
Nickel, Dissolved	ND ug/L		10.0	1	06/08/10 16:14	06/10/10 14:55	7440-02-0	
Potassium, Dissolved	1650 ug/L		500	1	06/08/10 16:14	06/10/10 14:55	7440-09-7	
Selenium, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:55	7782-49-2	
Silver, Dissolved	ND ug/L		1.0	1	06/08/10 16:14	06/10/10 15:51	7440-22-4	
Sodium, Dissolved	7610 ug/L		1000	1	06/08/10 16:14	06/10/10 14:55	7440-23-5	
Thallium, Dissolved	ND ug/L		10.0	1	06/08/10 16:14	06/10/10 14:55	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:55	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	06/08/10 16:14	06/10/10 14:55	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	06/07/10 13:50	06/08/10 05:43	7439-97-6	
7470 Mercury, Lab Filtered Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND ug/L		0.20	1	06/09/10 16:52	06/10/10 01:55	7439-97-6	
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		2.7	1	06/08/10 10:15	06/09/10 12:33	83-32-9	
Acenaphthylene	ND ug/L		2.7	1	06/08/10 10:15	06/09/10 12:33	208-96-8	
Anthracene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	120-12-7	
Benzo(a)anthracene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	56-55-3	
Benzo(a)pyrene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	191-24-2	
Benzo(k)fluoranthene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	207-08-9	
Chrysene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	53-70-3	
Fluoranthene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	206-44-0	
Fluorene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	193-39-5	
Naphthalene	ND ug/L		1.1	1	06/08/10 10:15	06/09/10 12:33	91-20-3	
Phenanthrene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	85-01-8	
Pyrene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:33	129-00-0	
Nitrobenzene-d5 (S)	72 %		35-114	1	06/08/10 10:15	06/09/10 12:33	4165-60-0	
2-Fluorobiphenyl (S)	63 %		43-116	1	06/08/10 10:15	06/09/10 12:33	321-60-8	
Terphenyl-d14 (S)	72 %		33-141	1	06/08/10 10:15	06/09/10 12:33	1718-51-0	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	83-32-9	
Acenaphthylene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	208-96-8	
Anthracene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	120-12-7	
Azobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	103-33-3	
Benzo(a)anthracene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	56-55-3	

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CABOT-EPA 007145



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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No : 3028907

Sample: MW-X		Lab ID: 3028907002	Collected: 06/03/10 14:45	Received: 06/04/10 14:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Benzo(a)pyrene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	50-32-8	
Benzo(b)fluoranthene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	191-24-2	
Benzo(k)fluoranthene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	207-08-9	
Benzoic acid	ND ug/L		108	1	06/08/10 10:13	06/08/10 17:02	65-85-0	
Benzyl alcohol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	101-55-3	
Butylbenzylphthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	85-68-7	
Carbazole	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	86-74-8	
4-Chloro-3-methylphenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	59-50-7	
4-Chloroaniline	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	108-60-1	
2-Chloronaphthalene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	91-58-7	
2-Chlorophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	7005-72-3	
Chrysene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	53-70-3	
Dibenzofuran	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	132-64-9	
1,2-Dichlorobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	91-94-1	
2,4-Dichlorophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	120-83-2	
Diethylphthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	84-66-2	
2,4-Dimethylphenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	105-67-9	
Dimethylphthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	131-11-3	
Di-n-butylphthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:02	534-52-1	
2,4-Dinitrophenol	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:02	51-28-5	
2,4-Dinitrotoluene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	121-14-2	
2,6-Dinitrotoluene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	606-20-2	
Di-n-octylphthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	117-84-0	
bis(2-Ethylhexyl)phthalate	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	117-81-7	
Fluoranthene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	206-44-0	
Fluorene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	87-68-3	
Hexachlorobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	77-47-4	
Hexachloroethane	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	193-39-5	
Isophorone	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	78-59-1	
1-Methylnaphthalene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	90-12-0	
2-Methylnaphthalene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		2.2	1	06/08/10 10:13	06/08/10 17:02		

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(724)850-5600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-X	Lab ID: 3028907002	Collected: 06/03/10 14:45	Received: 06/04/10 14:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Naphthalene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	91-20-3	
2-Nitroaniline	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:02	88-74-4	
3-Nitroaniline	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:02	99-09-2	
4-Nitroaniline	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:02	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	86-30-6	
Pentachlorophenol	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:02	87-86-5	
Phenanthrene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	85-01-8	
Phenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	108-95-2	
Pyrene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:02	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:02	88-06-2	
Nitrobenzene-d5 (S)	66 %		35-114	1	06/08/10 10:13	06/08/10 17:02	4165-60-0	
2-Fluorobiphenyl (S)	59 %		43-116	1	06/08/10 10:13	06/08/10 17:02	321-60-8	
Terphenyl-d14 (S)	80 %		33-141	1	06/08/10 10:13	06/08/10 17:02	1718-51-0	
Phenol-d6 (S)	23 %		10-110	1	06/08/10 10:13	06/08/10 17:02	13127-88-3	
2-Fluorophenol (S)	33 %		21-110	1	06/08/10 10:13	06/08/10 17:02	367-12-4	
2,4,6-Tribromophenol (S)	54 %		10-123	1	06/08/10 10:13	06/08/10 17:02	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
1,1,1-Trichloroethane	ND ug/L		1.0	1		06/08/10 18:33	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		06/08/10 18:33	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		06/08/10 18:33	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		06/08/10 18:33	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		06/08/10 18:33	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		06/08/10 18:33	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		06/08/10 18:33	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		06/08/10 18:33	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		06/08/10 18:33	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		06/08/10 18:33	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		06/08/10 18:33	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		06/08/10 18:33	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		06/08/10 18:33	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		06/08/10 18:33	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		06/08/10 18:33	78-93-3	
2-Hexanone	ND ug/L		10.0	1		06/08/10 18:33	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		06/08/10 18:33	108-10-1	
Acetone	ND ug/L		10.0	1		06/08/10 18:33	67-64-1	
Benzene	ND ug/L		1.0	1		06/08/10 18:33	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		06/08/10 18:33	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		06/08/10 18:33	75-27-4	
Bromoform	ND ug/L		1.0	1		06/08/10 18:33	75-25-2	

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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H  
Pace Project No.: 3028907

Sample: MW-X	Lab ID: 3028907002	Collected: 06/03/10 14:45	Received: 06/04/10 14:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
8260 MSV Analytical Method: EPA 8260								
Bromomethane	ND	ug/L	1.0	1		06/08/10 18:33	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		06/08/10 18:33	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		06/08/10 18:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/08/10 18:33	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/08/10 18:33	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/08/10 18:33	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/08/10 18:33	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		06/08/10 18:33	124-48-1	
Ethylbenzene	ND	ug/L	1.0	1		06/08/10 18:33	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		06/08/10 18:33	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/08/10 18:33	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		06/08/10 18:33	75-09-2	
Naphthalene	ND	ug/L	2.0	1		06/08/10 18:33	91-20-3	
Styrene	ND	ug/L	1.0	1		06/08/10 18:33	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/08/10 18:33	127-18-4	
Toluene	ND	ug/L	1.0	1		06/08/10 18:33	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		06/08/10 18:33	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		06/08/10 18:33	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/08/10 18:33	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/08/10 18:33	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/08/10 18:33	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		06/08/10 18:33	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		06/08/10 18:33	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		06/08/10 18:33	103-65-1	
o-Xylene	ND	ug/L	1.0	1		06/08/10 18:33	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/08/10 18:33	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		06/08/10 18:33	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/08/10 18:33	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/08/10 18:33	10061-02-6	
4-Bromofluorobenzene (S)	98	%	70-130	1		06/08/10 18:33	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	1		06/08/10 18:33	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		06/08/10 18:33	2037-26-5	
HEM, Oil and Grease Analytical Method: EPA 1664A								
Oil and Grease	ND	mg/L	5.2	1		06/08/10 17:47		
1664 SGT-HEM, TPH Analytical Method: EPA 1664A								
Total Petroleum Hydrocarbons	ND	mg/L	5.2	1		06/08/10 17:44		
2310B Acidity, Total Analytical Method: SM 2310B								
Acidity, Total	ND	mg/L	10.0	1		06/09/10 21:00		
2320B Alkalinity Analytical Method: SM 2320B								
Alkalinity, Total as CaCO3	90.0	mg/L	10.0	1		06/07/10 19:31		

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-X		Lab ID: 3028907002	Collected: 06/03/10 14:45	Received: 06/04/10 14:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids		Analytical Method: SM 2540C						
Total Dissolved Solids	208	mg/L	10.0	1		06/07/10 18:35		
4500H+ pH, Electrometric		Analytical Method: SM 4500-H+B						
pH at 25 Degrees C	7.4	Std. Units	1.0	1		06/08/10 19:16		H6
5540C MBAS Surfactants		Analytical Method: SM 5540C						
Surfactants	ND	mg/L	0.10	1		06/04/10 15:55		
350.1 Ammonia, Distilled		Analytical Method: EPA 350 1						
Ammonia, Distilled	0.12	mg/L	0.10	1		06/10/10 11:19		
4500 Chloride		Analytical Method: SM 4500-Cl-E						
Chloride	11.8	mg/L	3.0	1		06/08/10 10:44	16887-00-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No : 3028907

Sample: MW-2		Lab ID: 3028907003	Collected: 06/03/10 16:15	Received: 06/04/10 14:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>								
Analytical Method: EPA 8015B Modified Preparation Method: EPA 3510								
Diesel Components	ND mg/L		0.11	1	06/08/10 10:16	06/08/10 22:50		
o-Terphenyl (S)	73 %		50-150	1	06/08/10 10:16	06/08/10 22:50	84-15-1	
<b>Gasoline Range Organics</b>								
Analytical Method: EPA 5030/8015 Mod.								
TPH (C06-C10)	ND ug/L		200	1		06/10/10 16:39		
4-Bromofluorobenzene (S)	110 %		70-130	1		06/10/10 16:39	460-00-4	
<b>6010 MET ICP</b>								
Analytical Method: EPA 6010B Preparation Method: EPA 3005								
Aluminum	4680 ug/L		50.0	1	06/07/10 19:27	06/10/10 12:00	7429-90-5	
Antimony	ND ug/L		5.0	1	06/07/10 19:27	06/10/10 12:00	7440-36-0	
Arsenic	7.4 ug/L		5.0	1	06/07/10 19:27	06/10/10 12:00	7440-38-2	
Barium	78.3 ug/L		10.0	1	06/07/10 19:27	06/10/10 12:00	7440-39-3	
Beryllium	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 12:00	7440-41-7	
Boron	ND ug/L		50.0	1	06/07/10 19:27	06/10/10 12:00	7440-42-8	
Cadmium	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 12:00	7440-43-9	
Calcium	36300 ug/L		1000	1	06/07/10 19:27	06/10/10 12:00	7440-70-2	
Chromium	289 ug/L		5.0	1	06/07/10 19:27	06/10/10 12:00	7440-47-3	
Cobalt	7.8 ug/L		5.0	1	06/07/10 19:27	06/10/10 12:00	7440-48-4	
Copper	8.4 ug/L		5.0	1	06/07/10 19:27	06/10/10 12:00	7440-50-8	
Iron	10900 ug/L		50.0	1	06/07/10 19:27	06/10/10 12:00	7439-89-6	
Lead	7.5 ug/L		2.0	1	06/07/10 19:27	06/10/10 12:00	7439-92-1	
Magnesium	6630 ug/L		200	1	06/07/10 19:27	06/10/10 12:00	7439-95-4	
Manganese	364 ug/L		5.0	1	06/07/10 19:27	06/10/10 12:00	7439-96-5	
Molybdenum	ND ug/L		20.0	1	06/07/10 19:27	06/10/10 12:00	7439-98-7	
Nickel	145 ug/L		10.0	1	06/07/10 19:27	06/10/10 12:00	7440-02-0	
Potassium	3120 ug/L		500	1	06/07/10 19:27	06/10/10 12:00	7440-09-7	
Selenium	ND ug/L		5.0	1	06/07/10 19:27	06/10/10 12:00	7782-49-2	
Silver	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 15:04	7440-22-4	
Sodium	6120 ug/L		1000	1	06/07/10 19:27	06/10/10 12:00	7440-23-5	
Thallium	ND ug/L		10.0	1	06/07/10 19:27	06/10/10 12:00	7440-28-0	
Vanadium	7.5 ug/L		5.0	1	06/07/10 19:27	06/10/10 12:00	7440-62-2	
Zinc	31.9 ug/L		10.0	1	06/07/10 19:27	06/10/10 12:00	7440-66-6	
<b>6010 MET ICP, Lab Filtered</b>								
Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Aluminum, Dissolved	ND ug/L		50.0	1	06/08/10 16:14	06/10/10 14:58	7429-90-5	
Antimony, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:58	7440-36-0	
Arsenic, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:58	7440-38-2	
Barium, Dissolved	35.8 ug/L		10.0	1	06/08/10 16:14	06/10/10 14:58	7440-39-3	
Beryllium, Dissolved	ND ug/L		1.0	1	06/08/10 16:14	06/10/10 14:58	7440-41-7	
Boron, Dissolved	ND ug/L		50.0	1	06/08/10 16:14	06/10/10 14:58	7440-42-8	
Cadmium, Dissolved	ND ug/L		1.0	1	06/08/10 16:14	06/10/10 14:58	7440-43-9	
Calcium, Dissolved	28200 ug/L		1000	1	06/08/10 16:14	06/10/10 14:58	7440-70-2	
Chromium, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:58	7440-47-3	
Cobalt, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:58	7440-48-4	
Copper, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:58	7440-50-8	
Iron, Dissolved	ND ug/L		50.0	1	06/08/10 16:14	06/10/10 14:58	7439-89-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No : 3028907

Sample: MW-2	Lab ID: 3028907003	Collected: 06/03/10 16:15	Received: 06/04/10 14:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b> Analytical Method: EPA 6010 Preparation Method: EPA 3005								
Lead, Dissolved	ND ug/L		2.0	1	06/08/10 16:14	06/10/10 15:56	7439-92-1	
Magnesium, Dissolved	4580 ug/L		200	1	06/08/10 16:14	06/10/10 14:58	7439-95-4	
Manganese, Dissolved	41.4 ug/L		5.0	1	06/08/10 16:14	06/10/10 14:58	7439-96-5	
Molybdenum, Dissolved	ND ug/L		20.0	1	06/08/10 16:14	06/10/10 14:58	7439-98-7	
Nickel, Dissolved	ND ug/L		10.0	1	06/08/10 16:14	06/10/10 14:58	7440-02-0	
Potassium, Dissolved	1320 ug/L		500	1	06/08/10 16:14	06/10/10 14:58	7440-09-7	
Selenium, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:58	7782-49-2	
Silver, Dissolved	ND ug/L		1.0	1	06/08/10 16:14	06/10/10 15:56	7440-22-4	
Sodium, Dissolved	4970 ug/L		1000	1	06/08/10 16:14	06/10/10 14:58	7440-23-5	
Thallium, Dissolved	ND ug/L		10.0	1	06/08/10 16:14	06/10/10 14:58	7440-28-0	
Vanadium, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 14:58	7440-62-2	
Zinc, Dissolved	ND ug/L		10.0	1	06/08/10 16:14	06/10/10 14:58	7440-66-6	
<b>7470 Mercury</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND ug/L		0.20	1	06/07/10 13:50	06/08/10 05:45	7439-97-6	
<b>7470 Mercury, Lab Filtered</b> Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	ND ug/L		0.20	1	06/09/10 16:52	06/10/10 01:57	7439-97-6	
<b>8270 MSSV PAH by SIM</b> Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		2.8	1	06/08/10 10:15	06/09/10 12:58	83-32-9	
Acenaphthylene	ND ug/L		2.8	1	06/08/10 10:15	06/09/10 12:58	208-96-8	
Anthracene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	120-12-7	
Benzo(a)anthracene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	56-55-3	
Benzo(a)pyrene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	50-32-8	
Benzo(b)fluoranthene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	191-24-2	
Benzo(k)fluoranthene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	207-08-9	
Chrysene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	53-70-3	
Fluoranthene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	206-44-0	
Fluorene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	193-39-5	
Naphthalene	ND ug/L		1.1	1	06/08/10 10:15	06/09/10 12:58	91-20-3	
Phenanthrene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	85-01-8	
Pyrene	ND ug/L		0.22	1	06/08/10 10:15	06/09/10 12:58	129-00-0	
Nitrobenzene-d5 (S)	76 %		35-114	1	06/08/10 10:15	06/09/10 12:58	4165-60-0	
2-Fluorobiphenyl (S)	67 %		43-116	1	06/08/10 10:15	06/09/10 12:58	321-60-8	
Terphenyl-d14 (S)	83 %		33-141	1	06/08/10 10:15	06/09/10 12:58	1718-51-0	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	83-32-9	
Acenaphthylene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	208-96-8	
Anthracene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	120-12-7	
Azobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	103-33-3	
Benzo(a)anthracene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	56-55-3	

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## REPORT OF LABORATORY ANALYSIS

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CABOT-EPA 007151

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3028907

Sample: MW-2	Lab ID: 3028907003	Collected: 06/03/10 16.15	Received: 06/04/10 14:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzo(a)pyrene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	207-08-9	
Benzoic acid	ND	ug/L	111	1	06/08/10 10:13	06/08/10 17:24	65-85-0	
Benzyl alcohol	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	101-55-3	
Butylbenzylphthalate	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	85-68-7	
Carbazole	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	86-74-8	
4-Chloro-3-methylphenol	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	59-50-7	
4-Chloroaniline	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	108-60-1	
2-Chloronaphthalene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	91-58-7	
2-Chlorophenol	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	7005-72-3	
Chrysene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	53-70-3	
Dibenzofuran	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	91-94-1	
2,4-Dichlorophenol	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	120-83-2	
Diethylphthalate	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	84-66-2	
2,4-Dimethylphenol	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	105-67-9	
Dimethylphthalate	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	131-11-3	
Di-n-butylphthalate	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	2.8	1	06/08/10 10:13	06/08/10 17:24	534-52-1	
2,4-Dinitrophenol	ND	ug/L	2.8	1	06/08/10 10:13	06/08/10 17:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	606-20-2	
Di-n-octylphthalate	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	117-84-0	
bis(2-Ethylhexyl)phthalate	5.2	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	117-81-7	
Fluoranthene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	206-44-0	
Fluorene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	87-68-3	
Hexachlorobenzene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	77-47-4	
Hexachloroethane	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	193-39-5	
Isophorone	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	78-59-1	
1-Methylnaphthalene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	90-12-0	
2-Methylnaphthalene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	2.2	1	06/08/10 10:13	06/08/10 17:24		

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CABOT-EPA 007152





Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project: 2H/4H  
Pace Project No: 3028907

Sample: MW-2	Lab ID: 3028907003	Collected: 06/03/10 16.15	Received: 06/04/10 14:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Naphthalene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	91-20-3	
2-Nitroaniline	ND ug/L		2.8	1	06/08/10 10:13	06/08/10 17:24	88-74-4	
3-Nitroaniline	ND ug/L		2.8	1	06/08/10 10:13	06/08/10 17:24	99-09-2	
4-Nitroaniline	ND ug/L		2.8	1	06/08/10 10:13	06/08/10 17:24	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	86-30-6	
Pentachlorophenol	ND ug/L		2.8	1	06/08/10 10:13	06/08/10 17:24	87-86-5	
Phenanthrene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	85-01-8	
Phenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	108-95-2	
Pyrene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.8	1	06/08/10 10:13	06/08/10 17:24	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:24	88-06-2	
Nitrobenzene-d5 (S)	72 %		35-114	1	06/08/10 10:13	06/08/10 17:24	4165-60-0	
2-Fluorobiphenyl (S)	62 %		43-116	1	06/08/10 10:13	06/08/10 17:24	321-60-8	
Terphenyl-d14 (S)	85 %		33-141	1	06/08/10 10:13	06/08/10 17:24	1718-51-0	
Phenol-d6 (S)	22 %		10-110	1	06/08/10 10:13	06/08/10 17:24	13127-88-3	
2-Fluorophenol (S)	35 %		21-110	1	06/08/10 10:13	06/08/10 17:24	367-12-4	
2,4,6-Tribromophenol (S)	61 %		10-123	1	06/08/10 10:13	06/08/10 17:24	118-79-6	
<b>8260 MSV</b> Analytical Method: EPA 8260								
1,1,1-Trichloroethane	ND ug/L		1.0	1		06/08/10 18:57	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		06/08/10 18:57	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		06/08/10 18:57	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		06/08/10 18:57	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		06/08/10 18:57	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		06/08/10 18:57	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		06/08/10 18:57	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		06/08/10 18:57	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		06/08/10 18:57	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		06/08/10 18:57	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		06/08/10 18:57	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		06/08/10 18:57	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		06/08/10 18:57	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		06/08/10 18:57	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		06/08/10 18:57	78-93-3	
2-Hexanone	ND ug/L		10.0	1		06/08/10 18:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		06/08/10 18:57	108-10-1	
Acetone	ND ug/L		10.0	1		06/08/10 18:57	67-64-1	
Benzene	ND ug/L		1.0	1		06/08/10 18:57	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		06/08/10 18:57	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		06/08/10 18:57	75-27-4	
Bromoform	ND ug/L		1.0	1		06/08/10 18:57	75-25-2	

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CABOT-EPA 007153

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-2		Lab ID: 3028907003	Collected: 06/03/10 16:15		Received: 06/04/10 14:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260						
Bromomethane	ND ug/L		1.0	1		06/08/10 18:57	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		06/08/10 18:57	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		06/08/10 18:57	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		06/08/10 18:57	108-90-7	
Chloroethane	ND ug/L		1.0	1		06/08/10 18:57	75-00-3	
Chloroform	ND ug/L		1.0	1		06/08/10 18:57	67-66-3	
Chloromethane	ND ug/L		1.0	1		06/08/10 18:57	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		06/08/10 18:57	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		06/08/10 18:57	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		06/08/10 18:57	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		06/08/10 18:57	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		06/08/10 18:57	75-09-2	
Naphthalene	ND ug/L		2.0	1		06/08/10 18:57	91-20-3	
Styrene	ND ug/L		1.0	1		06/08/10 18:57	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		06/08/10 18:57	127-18-4	
Toluene	ND ug/L		1.0	1		06/08/10 18:57	108-88-3	
Trichloroethene	ND ug/L		1.0	1		06/08/10 18:57	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		06/08/10 18:57	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		06/08/10 18:57	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		06/08/10 18:57	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		06/08/10 18:57	10061-01-5	
m&p-Xylene	ND ug/L		2.0	1		06/08/10 18:57	179601-23-1	
n-Butylbenzene	ND ug/L		1.0	1		06/08/10 18:57	104-51-8	
n-Propylbenzene	ND ug/L		1.0	1		06/08/10 18:57	103-65-1	
o-Xylene	ND ug/L		1.0	1		06/08/10 18:57	95-47-6	
p-Isopropyltoluene	ND ug/L		1.0	1		06/08/10 18:57	99-87-6	
sec-Butylbenzene	ND ug/L		1.0	1		06/08/10 18:57	135-98-8	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		06/08/10 18:57	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		06/08/10 18:57	10061-02-6	
4-Bromofluorobenzene (S)	96 %		70-130	1		06/08/10 18:57	460-00-4	
1,2-Dichloroethane-d4 (S)	97 %		70-130	1		06/08/10 18:57	17060-07-0	
Toluene-d8 (S)	99 %		70-130	1		06/08/10 18:57	2037-26-5	
<b>HEM, Oil and Grease</b>		Analytical Method: EPA 1664A						
Oil and Grease	ND mg/L		5.0	1		06/08/10 17:47		
<b>1664 SGT-HEM, TPH</b>		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND mg/L		5.0	1		06/08/10 17:44		
<b>2310B Acidity, Total</b>		Analytical Method: SM 2310B						
Acidity, Total	ND mg/L		10.0	1		06/09/10 21:00		
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	84.0 mg/L		10.0	1		06/07/10 19:31		

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Pace Analytical Services, Inc.  
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## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No: 3028907

Sample: MW-2		Lab ID: 3028907003	Collected	06/03/10 16:15	Received	06/04/10 14:30	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>2540C Total Dissolved Solids</b>	Analytical Method: SM 2540C								
Total Dissolved Solids	188	mg/L	10.0	1		06/07/10 18:35			
<b>4500H+ pH, Electrometric</b>	Analytical Method: SM 4500-H+B								
pH at 25 Degrees C	7.3	Std. Units	1.0	1		06/08/10 19:16		H6	
<b>5540C MBAS Surfactants</b>	Analytical Method: SM 5540C								
Surfactants	ND	mg/L	0.10	1		06/04/10 15:55			
<b>350.1 Ammonia, Distilled</b>	Analytical Method: EPA 350.1								
Ammonia, Distilled	ND	mg/L	0.10	1		06/10/10 11:20			
<b>4500 Chloride</b>	Analytical Method: SM 4500-Cl-E								
Chloride	11.3	mg/L	3.0	1		06/08/10 10:45	16887-00-6		

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CABOT-EPA 007155

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-4		Lab ID: 3028907004	Collected: 06/04/10 08.00		Received: 06/04/10 14 30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015B Modified Preparation Method: EPA 3510						
Diesel Components	ND mg/L		0.11	1	06/08/10 10:16	06/08/10 23:14		
o-Terphenyl (S)	76 %		50-150	1	06/08/10 10 16	06/08/10 23 14	84-15-1	
<b>Gasoline Range Organics</b>		Analytical Method: EPA 5030/8015 Mod.						
TPH (C06-C10)	ND ug/L		200	1		06/10/10 16.51		
4-Bromofluorobenzene (S)	110 %		70-130	1		06/10/10 16:51	450-00-4	
<b>6010 MET ICP</b>		Analytical Method: EPA 6010B Preparation Method: EPA 3005						
Aluminum	859 ug/L		50.0	1	06/07/10 19:27	06/10/10 12:03	7429-90-5	
Antimony	5.1 ug/L		5.0	1	06/07/10 19 27	06/10/10 12 03	7440-36-0	
Arsenic	13.5 ug/L		5.0	1	06/07/10 19:27	06/10/10 12.03	7440-38-2	
Barium	33.3 ug/L		10.0	1	06/07/10 19 27	06/10/10 12:03	7440-39-3	
Beryllium	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 12.03	7440-41-7	
Boron	ND ug/L		50.0	1	06/07/10 19:27	06/10/10 12:03	7440-42-8	
Cadmium	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 12.03	7440-43-9	
Calcium	36800 ug/L		1000	1	06/07/10 19 27	06/10/10 12:03	7440-70-2	
Chromium	499 ug/L		5.0	1	06/07/10 19:27	06/10/10 12.03	7440-47-3	
Cobalt	9.2 ug/L		5.0	1	06/07/10 19:27	06/10/10 12:03	7440-48-4	
Copper	6.8 ug/L		5.0	1	06/07/10 19:27	06/10/10 12.03	7440-50-8	
Iron	3940 ug/L		50.0	1	06/07/10 19 27	06/10/10 12:03	7439-89-6	
Lead	4.9 ug/L		2.0	1	06/07/10 19:27	06/10/10 12:03	7439-92-1	
Magnesium	6810 ug/L		200	1	06/07/10 19:27	06/10/10 12:03	7439-95-4	
Manganese	338 ug/L		5.0	1	06/07/10 19:27	06/10/10 12.03	7439-96-5	
Molybdenum	ND ug/L		20.0	1	06/07/10 19:27	06/10/10 12:03	7439-98-7	
Nickel	254 ug/L		10.0	1	06/07/10 19 27	06/10/10 12.03	7440-02-0	
Potassium	3000 ug/L		500	1	06/07/10 19:27	06/10/10 12:03	7440-09-7	
Selenium	ND ug/L		5.0	1	06/07/10 19 27	06/10/10 12:03	7782-49-2	
Silver	ND ug/L		1.0	1	06/07/10 19:27	06/10/10 15.09	7440-22-4	
Sodium	4880 ug/L		1000	1	06/07/10 19 27	06/10/10 12:03	7440-23-5	
Thallium	ND ug/L		10.0	1	06/07/10 19:27	06/10/10 12.03	7440-28-0	
Vanadium	ND ug/L		5.0	1	06/07/10 19:27	06/10/10 12:03	7440-62-2	
Zinc	ND ug/L		10.0	1	06/07/10 19:27	06/10/10 12.03	7440-66-6	
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3005						
Aluminum, Dissolved	ND ug/L		50.0	1	06/08/10 16:14	06/10/10 15:01	7429-90-5	
Antimony, Dissolved	ND ug/L		5.0	1	06/08/10 16 14	06/10/10 15 01	7440-36-0	
Arsenic, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 15 01	7440-38-2	
Barium, Dissolved	24.4 ug/L		10.0	1	06/08/10 16:14	06/10/10 15:01	7440-39-3	
Beryllium, Dissolved	ND ug/L		1.0	1	06/08/10 16:14	06/10/10 15 01	7440-41-7	
Boron, Dissolved	ND ug/L		50.0	1	06/08/10 16:14	06/10/10 15.01	7440-42-8	
Cadmium, Dissolved	ND ug/L		1.0	1	06/08/10 16:14	06/10/10 15:01	7440-43-9	
Calcium, Dissolved	34300 ug/L		1000	1	06/08/10 16 14	06/10/10 15 01	7440-70-2	
Chromium, Dissolved	ND ug/L		5.0	1	06/08/10 16.14	06/10/10 15:01	7440-47-3	
Cobalt, Dissolved	ND ug/L		5.0	1	06/08/10 16:14	06/10/10 15 01	7440-48-4	
Copper, Dissolved	ND ug/L		5.0	1	06/08/10 16 14	06/10/10 15 01	7440-50-8	
Iron, Dissolved	ND ug/L		50.0	1	06/08/10 16:14	06/10/10 15:01	7439-89-6	

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CABOT-EPA 007156



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-6600

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3028907

Sample: MW-4		Lab ID: 3028907004	Collected: 06/04/10 08:00	Received: 06/04/10 14:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP, Lab Filtered</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3005						
Lead, Dissolved	ND	ug/L	2.0	1	06/08/10 16:14	06/10/10 16:00	7439-92-1	
Magnesium, Dissolved	6210	ug/L	200	1	06/08/10 16:14	06/10/10 15:01	7439-95-4	
Manganese, Dissolved	263	ug/L	5.0	1	06/08/10 16:14	06/10/10 15:01	7439-96-5	
Molybdenum, Dissolved	ND	ug/L	20.0	1	06/08/10 16:14	06/10/10 15:01	7439-98-7	
Nickel, Dissolved	ND	ug/L	10.0	1	06/08/10 16:14	06/10/10 15:01	7440-02-0	
Potassium, Dissolved	2510	ug/L	500	1	06/08/10 16:14	06/10/10 15:01	7440-09-7	
Selenium, Dissolved	ND	ug/L	5.0	1	06/08/10 16:14	06/10/10 15:01	7782-49-2	
Silver, Dissolved	ND	ug/L	1.0	1	06/08/10 16:14	06/10/10 16:00	7440-22-4	
Sodium, Dissolved	4830	ug/L	1000	1	06/08/10 16:14	06/10/10 15:01	7440-23-5	
Thallium, Dissolved	ND	ug/L	10.0	1	06/08/10 16:14	06/10/10 15:01	7440-28-0	
Vanadium, Dissolved	ND	ug/L	5.0	1	06/08/10 16:14	06/10/10 15:01	7440-62-2	
Zinc, Dissolved	ND	ug/L	10.0	1	06/08/10 16:14	06/10/10 15:01	7440-66-6	
<b>7470 Mercury</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	1	06/07/10 13:50	06/08/10 05:46	7439-97-6	
<b>7470 Mercury, Lab Filtered</b>		Analytical Method: EPA 7470 Preparation Method: EPA 7470						
Mercury, Dissolved	ND	ug/L	0.20	1	06/09/10 16:52	06/10/10 01:58	7439-97-6	
<b>8270 MSSV PAH by SIM</b>		Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	2.7	1	06/08/10 10:15	06/09/10 13:24	83-32-9	
Acenaphthylene	ND	ug/L	2.7	1	06/08/10 10:15	06/09/10 13:24	208-96-8	
Anthracene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	207-08-9	
Chrysene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	53-70-3	
Fluoranthene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	206-44-0	
Fluorene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	193-39-5	
Naphthalene	ND	ug/L	1.1	1	06/08/10 10:15	06/09/10 13:24	91-20-3	
Phenanthrene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	85-01-8	
Pyrene	ND	ug/L	0.21	1	06/08/10 10:15	06/09/10 13:24	129-00-0	
Nitrobenzene-d5 (S)	85 %		35-114	1	06/08/10 10:15	06/09/10 13:24	4165-60-0	
2-Fluorobiphenyl (S)	73 %		43-116	1	06/08/10 10:15	06/09/10 13:24	321-60-8	
Terphenyl-d14 (S)	84 %		33-141	1	06/08/10 10:15	06/09/10 13:24	1718-51-0	
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510						
Acenaphthene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	83-32-9	
Acenaphthylene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	208-96-8	
Anthracene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	120-12-7	
Azobenzene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	103-33-3	
Benzo(a)anthracene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	56-55-3	

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CABOT-EPA 007157

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-4	Lab ID: 3028907004	Collected: 06/04/10 08:00	Received: 06/04/10 14:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Benzo(a)pyrene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	207-08-9	
Benzoic acid	ND	ug/L	106	1	06/08/10 10:13	06/08/10 17:47	65-85-0	
Benzyl alcohol	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	101-55-3	
Butylbenzylphthalate	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	85-68-7	
Carbazole	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	86-74-8	
4-Chloro-3-methylphenol	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	59-50-7	
4-Chloroaniline	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	108-60-1	
2-Chloronaphthalene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	91-58-7	
2-Chlorophenol	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	7005-72-3	
Chrysene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	53-70-3	
Dibenzofuran	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	91-94-1	
2,4-Dichlorophenol	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	120-83-2	
Diethylphthalate	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	84-66-2	
2,4-Dimethylphenol	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	105-67-9	
Dimethylphthalate	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	131-11-3	
Di-n-butylphthalate	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	2.7	1	06/08/10 10:13	06/08/10 17:47	534-52-1	
2,4-Dinitrophenol	ND	ug/L	2.7	1	06/08/10 10:13	06/08/10 17:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	606-20-2	
Di-n-octylphthalate	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	117-84-0	
bis(2-Ethylhexyl)phthalate	5.8	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	117-81-7	
Fluoranthene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	206-44-0	
Fluorene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	87-68-3	
Hexachlorobenzene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	77-47-4	
Hexachloroethane	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	193-39-5	
Isophorone	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	78-59-1	
1-Methylnaphthalene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	90-12-0	
2-Methylnaphthalene	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.1	1	06/08/10 10:13	06/08/10 17:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	2.1	1	06/08/10 10:13	06/08/10 17:47		

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CABOT-EPA 007158



Pace Analytical Services, Inc.  
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Greensburg, PA 15601  
(724)850-5600

## ANALYTICAL RESULTS

Project XXXXXXXXXX 2H/4H  
Pace Project No: 3028907

Sample: MW-4		Lab ID: 3028907004	Collected 06/04/10 08:00	Received 06/04/10 14:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method EPA 8270 Preparation Method EPA 3510						
Naphthalene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	91-20-3	
2-Nitroaniline	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:47	88-74-4	
3-Nitroaniline	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:47	99-09-2	
4-Nitroaniline	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:47	100-01-6	
Nitrobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	98-95-3	
2-Nitrophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	88-75-5	
4-Nitrophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	100-02-7	
N-Nitrosodimethylamine	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	86-30-6	
Pentachlorophenol	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:47	87-86-5	
Phenanthrene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	85-01-8	
Phenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	108-95-2	
Pyrene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		2.7	1	06/08/10 10:13	06/08/10 17:47	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		1.1	1	06/08/10 10:13	06/08/10 17:47	88-06-2	
Nitrobenzene-d5 (S)	80 %		35-114	1	06/08/10 10:13	06/08/10 17:47	4165-60-0	
2-Fluorobiphenyl (S)	73 %		43-116	1	06/08/10 10:13	06/08/10 17:47	321-60-8	
Terphenyl-d14 (S)	88 %		33-141	1	06/08/10 10:13	06/08/10 17:47	1718-51-0	
Phenol-d6 (S)	26 %		10-110	1	06/08/10 10:13	06/08/10 17:47	13127-88-3	
2-Fluorophenol (S)	39 %		21-110	1	06/08/10 10:13	06/08/10 17:47	367-12-4	
2,4,6-Tribromophenol (S)	68 %		10-123	1	06/08/10 10:13	06/08/10 17:47	118-79-6	
<b>8260 MSV</b>		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND ug/L		1.0	1		06/08/10 19:22	71-55-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		06/08/10 19:22	79-34-5	
1,1,2-Trichloroethane	ND ug/L		1.0	1		06/08/10 19:22	79-00-5	
1,1-Dichloroethane	ND ug/L		1.0	1		06/08/10 19:22	75-34-3	
1,1-Dichloroethene	ND ug/L		1.0	1		06/08/10 19:22	75-35-4	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		06/08/10 19:22	120-82-1	
1,2,4-Trimethylbenzene	ND ug/L		1.0	1		06/08/10 19:22	95-63-6	
1,2-Dichlorobenzene	ND ug/L		1.0	1		06/08/10 19:22	95-50-1	
1,2-Dichloroethane	ND ug/L		1.0	1		06/08/10 19:22	107-06-2	
1,2-Dichloroethene (Total)	ND ug/L		2.0	1		06/08/10 19:22	540-59-0	
1,2-Dichloropropane	ND ug/L		1.0	1		06/08/10 19:22	78-87-5	
1,3,5-Trimethylbenzene	ND ug/L		1.0	1		06/08/10 19:22	108-67-8	
1,3-Dichlorobenzene	ND ug/L		1.0	1		06/08/10 19:22	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		06/08/10 19:22	106-46-7	
2-Butanone (MEK)	ND ug/L		10.0	1		06/08/10 19:22	78-93-3	
2-Hexanone	ND ug/L		10.0	1		06/08/10 19:22	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND ug/L		10.0	1		06/08/10 19:22	108-10-1	
Acetone	ND ug/L		10.0	1		06/08/10 19:22	67-64-1	
Benzene	ND ug/L		1.0	1		06/08/10 19:22	71-43-2	
Bromochloromethane	ND ug/L		1.0	1		06/08/10 19:22	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		06/08/10 19:22	75-27-4	
Bromoform	ND ug/L		1.0	1		06/08/10 19:22	75-25-2	

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CABOT-EPA 007159

## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: MW-4	Lab ID: 3028907004	Collected: 06/04/10 08:00	Received: 06/04/10 14:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
Bromomethane	ND ug/L		1.0	1		06/08/10 19:22	74-83-9	
Carbon disulfide	ND ug/L		1.0	1		06/08/10 19:22	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	1		06/08/10 19:22	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		06/08/10 19:22	108-90-7	
Chloroethane	ND ug/L		1.0	1		06/08/10 19:22	75-00-3	
Chloroform	ND ug/L		1.0	1		06/08/10 19:22	67-66-3	
Chloromethane	ND ug/L		1.0	1		06/08/10 19:22	74-87-3	
Dibromochloromethane	ND ug/L		1.0	1		06/08/10 19:22	124-48-1	
Ethylbenzene	ND ug/L		1.0	1		06/08/10 19:22	100-41-4	
Isopropylbenzene (Cumene)	ND ug/L		1.0	1		06/08/10 19:22	98-82-8	
Methyl-tert-butyl ether	ND ug/L		1.0	1		06/08/10 19:22	1634-04-4	
Methylene Chloride	ND ug/L		1.0	1		06/08/10 19:22	75-09-2	
Naphthalene	ND ug/L		2.0	1		06/08/10 19:22	91-20-3	
Styrene	ND ug/L		1.0	1		06/08/10 19:22	100-42-5	
Tetrachloroethene	ND ug/L		1.0	1		06/08/10 19:22	127-18-4	
Toluene	ND ug/L		1.0	1		06/08/10 19:22	108-88-3	
Trichloroethene	ND ug/L		1.0	1		06/08/10 19:22	79-01-6	
Vinyl chloride	ND ug/L		1.0	1		06/08/10 19:22	75-01-4	
Xylene (Total)	ND ug/L		3.0	1		06/08/10 19:22	1330-20-7	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		06/08/10 19:22	156-59-2	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		06/08/10 19:22	10061-01-5	
m&p-Xylene	ND ug/L		2.0	1		06/08/10 19:22	179601-23-1	
n-Butylbenzene	ND ug/L		1.0	1		06/08/10 19:22	104-51-8	
n-Propylbenzene	ND ug/L		1.0	1		06/08/10 19:22	103-65-1	
o-Xylene	ND ug/L		1.0	1		06/08/10 19:22	95-47-6	
p-Isopropyltoluene	ND ug/L		1.0	1		06/08/10 19:22	99-87-6	
sec-Butylbenzene	ND ug/L		1.0	1		06/08/10 19:22	135-98-8	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		06/08/10 19:22	156-60-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		06/08/10 19:22	10061-02-6	
4-Bromofluorobenzene (S)	98 %		70-130	1		06/08/10 19:22	460-00-4	
1,2-Dichloroethane-d4 (S)	98 %		70-130	1		06/08/10 19:22	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		06/08/10 19:22	2037-26-5	
HEM, Oil and Grease		Analytical Method: EPA 1664A						
Oil and Grease	ND mg/L		4.9	1		06/08/10 17:47		
1664 SGT-HEM, TPH		Analytical Method: EPA 1664A						
Total Petroleum Hydrocarbons	ND mg/L		4.9	1		06/08/10 17:44		
2310B Acidity, Total		Analytical Method: SM 2310B						
Acidity, Total	ND mg/L		10.0	1		06/09/10 21:00		
2320B Alkalinity		Analytical Method: SM 2320B						
Alkalinity, Total as CaCO3	86.0 mg/L		10.0	1		06/07/10 19:31		

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CABOT-EPA 007160





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(724)850-5600

## ANALYTICAL RESULTS

Project XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

<b>Sample: MW-4</b>		<b>Lab ID: 3028907004</b>	Collected: 06/04/10 08:00	Received: 06/04/10 14:30	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>	Analytical Method: SM 2540C							
Total Dissolved Solids	182	mg/L	10.0	1		06/07/10 18:35		
<b>4500H+ pH, Electrometric</b>	Analytical Method: SM 4500-H+B							
pH at 25 Degrees C	7.0	Std. Units	1.0	1		06/08/10 19:16		H6
<b>5540C MBAS Surfactants</b>	Analytical Method: SM 5540C							
Surfactants	ND	mg/L	0.10	1		06/04/10 15:55		
<b>350.1 Ammonia, Distilled</b>	Analytical Method: EPA 350 1							
Ammonia, Distilled	ND	mg/L	0.10	1		06/10/10 11:21		
<b>4500 Chloride</b>	Analytical Method: SM 4500-Cl-E							
Chloride	7.6	mg/L	3.0	1		06/08/10 10:45	16887-00-6	

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## ANALYTICAL RESULTS

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

Sample: TRIP BLANK		Lab ID: 3028907005		Collected:		Received: 06/04/10 14:30 Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260						
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/08/10 14:28	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/08/10 14:28	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/08/10 14:28	79-00-5	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/08/10 14:28	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/08/10 14:28	75-35-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/08/10 14:28	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		06/08/10 14:28	95-63-6	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/08/10 14:28	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/08/10 14:28	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		06/08/10 14:28	540-59-0	
1,2-Dichloropropane	ND	ug/L	1.0	1		06/08/10 14:28	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		06/08/10 14:28	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/08/10 14:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/08/10 14:28	106-46-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		06/08/10 14:28	78-93-3	
2-Hexanone	ND	ug/L	10.0	1		06/08/10 14:28	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		06/08/10 14:28	108-10-1	
Acetone	ND	ug/L	10.0	1		06/08/10 14:28	67-64-1	
Benzene	ND	ug/L	1.0	1		06/08/10 14:28	71-43-2	
Bromochloromethane	ND	ug/L	1.0	1		06/08/10 14:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/08/10 14:28	75-27-4	
Bromoform	ND	ug/L	1.0	1		06/08/10 14:28	75-25-2	
Bromomethane	ND	ug/L	1.0	1		06/08/10 14:28	74-83-9	
Carbon disulfide	ND	ug/L	1.0	1		06/08/10 14:28	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		06/08/10 14:28	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/08/10 14:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/08/10 14:28	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/08/10 14:28	67-66-3	
Chloromethane	ND	ug/L	1.0	1		06/08/10 14:28	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		06/08/10 14:28	124-48-1	
Ethylbenzene	ND	ug/L	1.0	1		06/08/10 14:28	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		06/08/10 14:28	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/08/10 14:28	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		06/08/10 14:28	75-09-2	
Naphthalene	ND	ug/L	2.0	1		06/08/10 14:28	91-20-3	
Styrene	ND	ug/L	1.0	1		06/08/10 14:28	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		06/08/10 14:28	127-18-4	
Toluene	ND	ug/L	1.0	1		06/08/10 14:28	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		06/08/10 14:28	79-01-6	
Vinyl chloride	ND	ug/L	1.0	1		06/08/10 14:28	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/08/10 14:28	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/08/10 14:28	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		06/08/10 14:28	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		06/08/10 14:28	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		06/08/10 14:28	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		06/08/10 14:28	103-65-1	
o-Xylene	ND	ug/L	1.0	1		06/08/10 14:28	95-47-6	

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## ANALYTICAL RESULTS

Project: [REDACTED] 2H/4H  
Pace Project No. 3028907

Sample: TRIP BLANK		Lab ID: 3028907005	Collected:		Received: 06/04/10 14:30		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No	Qual
8260 MSV		Analytical Method: EPA 8260						
p-Isopropyltoluene	ND	ug/L	1.0	1		06/08/10 14:28	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		06/08/10 14:28	135-98-8	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/08/10 14:28	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		06/08/10 14:28	10061-02-6	
4-Bromofluorobenzene (S)	99	%	70-130	1		06/08/10 14:28	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		06/08/10 14:28	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		06/08/10 14:28	2037-26-5	

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CABOT-EPA 007163

### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

QC Batch:	OEXT/5125	Analysis Method:	EPA 8015B Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015 GCS
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004			

METHOD BLANK: 179501 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/L	ND	0.10	06/08/10 20:51	
o-Terphenyl (S)	%	52	50-150	06/08/10 20:51	

LABORATORY CONTROL SAMPLE: 179502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/L	1	0.58	58	50-150	
o-Terphenyl (S)	%			70	50-150	

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

QC Batch:	GCV/1359	Analysis Method:	EPA 5030/8015 Mod.
QC Batch Method:	EPA 5030/8015 Mod	Analysis Description:	Gasoline Range Organics
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004			

METHOD BLANK: 180085 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH (C06-C10)	ug/L	ND	200	06/10/10 15:47	
4-Bromofluorobenzene (S)	%	96	70-130	06/10/10 15:47	

LABORATORY CONTROL SAMPLE: 180086

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH (C06-C10)	ug/L	500	560	112	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	

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CABOT-EPA 007165

### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No: 3028907

QC Batch: MERP/1990 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 179283 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	06/08/10 05:23	

LABORATORY CONTROL SAMPLE: 179284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	0.95	95	85-115	

MATRIX SPIKE SAMPLE: 179286

Parameter	Units	3028831001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	2.5	1.9	72	85-115	

SAMPLE DUPLICATE: 179285

Parameter	Units	3028831001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	.05J		



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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

QC Batch: MERP/1995 Analysis Method: EPA 7470  
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury Dissolved  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 180334 Matrix: Water  
Associated Lab Samples 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	ND	0.20	06/10/10 01:47	

LABORATORY CONTROL SAMPLE 180335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	1	1.1	112	85-115	

MATRIX SPIKE SAMPLE. 180337

Parameter	Units	3028907001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	ND	2.5	2.9	118	75-125	

SAMPLE DUPLICATE: 180336

Parameter	Units	3028907001 Result	Dup Result	RPD	Qualifiers
Mercury, Dissolved	ug/L	ND	ND		

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

QC Batch:	OEXT/5122	Analysis Method:	EPA 8270 by SIM
QC Batch Method:	EPA 3510	Analysis Description:	8270 Water PAH by SIM MSSV
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004			

METHOD BLANK: 179443 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	2.5	06/09/10 11:16	
Acenaphthylene	ug/L	ND	2.5	06/09/10 11:16	
Anthracene	ug/L	ND	0.20	06/09/10 11:16	
Benzo(a)anthracene	ug/L	ND	0.20	06/09/10 11:16	
Benzo(a)pyrene	ug/L	ND	0.20	06/09/10 11:16	
Benzo(b)fluoranthene	ug/L	ND	0.20	06/09/10 11:16	
Benzo(g,h,i)perylene	ug/L	ND	0.20	06/09/10 11:16	
Benzo(k)fluoranthene	ug/L	ND	0.20	06/09/10 11:16	
Chrysene	ug/L	ND	0.20	06/09/10 11:16	
Dibenz(a,h)anthracene	ug/L	ND	0.20	06/09/10 11:16	
Fluoranthene	ug/L	ND	0.20	06/09/10 11:16	
Fluorene	ug/L	ND	0.20	06/09/10 11:16	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.20	06/09/10 11:16	
Naphthalene	ug/L	ND	1.0	06/09/10 11:16	
Phenanthrene	ug/L	ND	0.20	06/09/10 11:16	
Pyrene	ug/L	ND	0.20	06/09/10 11:16	
2-Fluorobiphenyl (S)	%	53	43-116	06/09/10 11:16	
Nitrobenzene-d5 (S)	%	58	35-114	06/09/10 11:16	
Terphenyl-d14 (S)	%	64	33-141	06/09/10 11:16	

LABORATORY CONTROL SAMPLE: 179444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	2	1.1J	54	32-104	
Acenaphthylene	ug/L	2	1.1J	53	28-114	
Anthracene	ug/L	2	1.1	57	35-114	
Benzo(a)anthracene	ug/L	2	1.4	72	29-139	
Benzo(a)pyrene	ug/L	2	1.4	69	35-128	
Benzo(b)fluoranthene	ug/L	2	1.5	76	26-141	
Benzo(g,h,i)perylene	ug/L	2	1.6	81	34-131	
Benzo(k)fluoranthene	ug/L	2	1.6	80	29-146	
Chrysene	ug/L	2	1.5	75	39-128	
Dibenz(a,h)anthracene	ug/L	2	1.6	80	39-136	
Fluoranthene	ug/L	2	1.4	68	35-135	
Fluorene	ug/L	2	1.1	56	34-104	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.5	77	37-136	
Naphthalene	ug/L	2	1.1	53	34-98	
Phenanthrene	ug/L	2	1.2	58	32-109	
Pyrene	ug/L	2	1.4	69	34-103	
2-Fluorobiphenyl (S)	%			57	43-116	
Nitrobenzene-d5 (S)	%			63	35-114	

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(724)850-6600

### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028907

LABORATORY CONTROL SAMPLE: 179444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Terphenyl-d14 (S)	%			79	33-141	

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CABOT-EPA 007169

### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

QC Batch:	OEXT/5121	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3510	Analysis Description:	8270 Water MSSV
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004			

METHOD BLANK: 179441 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/08/10 15:55	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/08/10 15:55	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/08/10 15:55	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/08/10 15:55	
1-Methylnaphthalene	ug/L	ND	1.0	06/08/10 15:55	
2,4,5-Trichlorophenol	ug/L	ND	2.5	06/08/10 15:55	
2,4,6-Trichlorophenol	ug/L	ND	1.0	06/08/10 15:55	
2,4-Dichlorophenol	ug/L	ND	1.0	06/08/10 15:55	
2,4-Dimethylphenol	ug/L	ND	1.0	06/08/10 15:55	
2,4-Dinitrophenol	ug/L	ND	2.5	06/08/10 15:55	
2,4-Dinitrotoluene	ug/L	ND	1.0	06/08/10 15:55	
2,6-Dinitrotoluene	ug/L	ND	1.0	06/08/10 15:55	
2-Chloronaphthalene	ug/L	ND	1.0	06/08/10 15:55	
2-Chlorophenol	ug/L	ND	1.0	06/08/10 15:55	
2-Methylnaphthalene	ug/L	ND	1.0	06/08/10 15:55	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	06/08/10 15:55	
2-Nitroaniline	ug/L	ND	2.5	06/08/10 15:55	
2-Nitrophenol	ug/L	ND	1.0	06/08/10 15:55	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	2.0	06/08/10 15:55	
3,3'-Dichlorobenzidine	ug/L	ND	1.0	06/08/10 15:55	
3-Nitroaniline	ug/L	ND	2.5	06/08/10 15:55	
4,6-Dinitro-2-methylphenol	ug/L	ND	2.5	06/08/10 15:55	
4-Bromophenylphenyl ether	ug/L	ND	1.0	06/08/10 15:55	
4-Chloro-3-methylphenol	ug/L	ND	1.0	06/08/10 15:55	
4-Chloroaniline	ug/L	ND	1.0	06/08/10 15:55	
4-Chlorophenylphenyl ether	ug/L	ND	1.0	06/08/10 15:55	
4-Nitroaniline	ug/L	ND	2.5	06/08/10 15:55	
4-Nitrophenol	ug/L	ND	1.0	06/08/10 15:55	
Acenaphthene	ug/L	ND	1.0	06/08/10 15:55	
Acenaphthylene	ug/L	ND	1.0	06/08/10 15:55	
Anthracene	ug/L	ND	1.0	06/08/10 15:55	
Azobenzene	ug/L	ND	1.0	06/08/10 15:55	
Benzo(a)anthracene	ug/L	ND	1.0	06/08/10 15:55	
Benzo(a)pyrene	ug/L	ND	1.0	06/08/10 15:55	
Benzo(b)fluoranthene	ug/L	ND	1.0	06/08/10 15:55	
Benzo(g,h,i)perylene	ug/L	ND	1.0	06/08/10 15:55	
Benzo(k)fluoranthene	ug/L	ND	1.0	06/08/10 15:55	
Benzoic acid	ug/L	ND	100	06/08/10 15:55	
Benzyl alcohol	ug/L	ND	1.0	06/08/10 15:55	
bis(2-Chloroethoxy)methane	ug/L	ND	1.0	06/08/10 15:55	
bis(2-Chloroethyl) ether	ug/L	ND	1.0	06/08/10 15:55	
bis(2-Chloroisopropyl) ether	ug/L	ND	1.0	06/08/10 15:55	
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0	06/08/10 15:55	

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CABOT-EPA 007170



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1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No : 3028907

METHOD BLANK: 179441

Matrix: Water

Associated Lab Samples 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Butylbenzylphthalate	ug/L	ND	1.0	06/08/10 15:55	
Carbazole	ug/L	ND	1.0	06/08/10 15:55	
Chrysene	ug/L	ND	1.0	06/08/10 15:55	
Di-n-butylphthalate	ug/L	ND	1.0	06/08/10 15:55	
Di-n-octylphthalate	ug/L	ND	1.0	06/08/10 15:55	
Dibenz(a,h)anthracene	ug/L	ND	1.0	06/08/10 15:55	
Dibenzofuran	ug/L	ND	1.0	06/08/10 15:55	
Diethylphthalate	ug/L	ND	1.0	06/08/10 15:55	
Dimethylphthalate	ug/L	ND	1.0	06/08/10 15:55	
Fluoranthene	ug/L	ND	1.0	06/08/10 15:55	
Fluorene	ug/L	ND	1.0	06/08/10 15:55	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	06/08/10 15:55	
Hexachlorobenzene	ug/L	ND	1.0	06/08/10 15:55	
Hexachlorocyclopentadiene	ug/L	ND	1.0	06/08/10 15:55	
Hexachloroethane	ug/L	ND	1.0	06/08/10 15:55	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	06/08/10 15:55	
Isophorone	ug/L	ND	1.0	06/08/10 15:55	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	06/08/10 15:55	
N-Nitrosodimethylamine	ug/L	ND	1.0	06/08/10 15:55	
N-Nitrosodiphenylamine	ug/L	ND	1.0	06/08/10 15:55	
Naphthalene	ug/L	ND	1.0	06/08/10 15:55	
Nitrobenzene	ug/L	ND	1.0	06/08/10 15:55	
Pentachlorophenol	ug/L	ND	2.5	06/08/10 15:55	
Phenanthrene	ug/L	ND	1.0	06/08/10 15:55	
Phenol	ug/L	ND	1.0	06/08/10 15:55	
Pyrene	ug/L	ND	1.0	06/08/10 15:55	
2,4,6-Tribromophenol (S)	%	47	10-123	06/08/10 15:55	
2-Fluorobiphenyl (S)	%	50	43-116	06/08/10 15:55	
2-Fluorophenol (S)	%	30	21-110	06/08/10 15:55	
Nitrobenzene-d5 (S)	%	59	35-114	06/08/10 15:55	
Phenol-d6 (S)	%	20	10-110	06/08/10 15:55	
Terphenyl-d14 (S)	%	76	33-141	06/08/10 15:55	

LABORATORY CONTROL SAMPLE: 179442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	5	2.2	45	39-98	
1,2-Dichlorobenzene	ug/L		ND			
1,3-Dichlorobenzene	ug/L		ND			
1,4-Dichlorobenzene	ug/L	5	1.9	38	20-124	
1-Methylnaphthalene	ug/L	5	2.8	56	40-140	
2,4,5-Trichlorophenol	ug/L		ND			
2,4,6-Trichlorophenol	ug/L		ND			
2,4-Dichlorophenol	ug/L		ND			
2,4-Dimethylphenol	ug/L		ND			

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CABOT-EPA 007171

### QUALITY CONTROL DATA

Project. [REDACTED] 2H/4H  
Pace Project No.: 3028907

LABORATORY CONTROL SAMPLE: 179442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L		ND			
2,4-Dinitrotoluene	ug/L	5	2.5	49	39-139	
2,6-Dinitrotoluene	ug/L		ND			
2-Chloronaphthalene	ug/L		ND			
2-Chlorophenol	ug/L	5	2.7	53	23-134	
2-Methylnaphthalene	ug/L	5	2.4	49	40-140	
2-Methylphenol(o-Cresol)	ug/L		ND			
2-Nitroaniline	ug/L		ND			
2-Nitrophenol	ug/L		ND			
3&4-Methylphenol(m&p Cresol)	ug/L		ND			
3,3'-Dichlorobenzidine	ug/L		ND			
3-Nitroaniline	ug/L		ND			
4,6-Dinitro-2-methylphenol	ug/L		ND			
4-Bromophenylphenyl ether	ug/L		ND			
4-Chloro-3-methylphenol	ug/L	5	3.1	62	22-147	
4-Chloroaniline	ug/L		ND			
4-Chlorophenylphenyl ether	ug/L		ND			
4-Nitroaniline	ug/L		ND			
4-Nitrophenol	ug/L	5	1.7	34	1-132	
Acenaphthene	ug/L	5	2.9	58	27-133	
Acenaphthylene	ug/L	5	3.0	60	33-145	
Anthracene	ug/L	5	3.0	60	27-133	
Azobenzene	ug/L		ND			
Benzo(a)anthracene	ug/L	5	3.3	66	33-142	
Benzo(a)pyrene	ug/L	5	3.4	67	17-163	
Benzo(b)fluoranthene	ug/L	5	3.8	76	24-159	
Benzo(g,h,i)perylene	ug/L	5	2.2	45	1-219	
Benzo(k)fluoranthene	ug/L	5	4.0	81	11-162	
Benzoic acid	ug/L		ND			
Benzyl alcohol	ug/L		ND			
bis(2-Chloroethoxy)methane	ug/L		ND			
bis(2-Chloroethyl) ether	ug/L		ND			
bis(2-Chloroisopropyl) ether	ug/L		ND			
bis(2-Ethylhexyl)phthalate	ug/L		ND			
Butylbenzylphthalate	ug/L		ND			
Carbazole	ug/L		ND			
Chrysene	ug/L	5	3.4	68	17-168	
Di-n-butylphthalate	ug/L		ND			
Di-n-octylphthalate	ug/L		ND			
Dibenz(a,h)anthracene	ug/L	5	2.1	42	1-227	
Dibenzofuran	ug/L		ND			
Diethylphthalate	ug/L		ND			
Dimethylphthalate	ug/L		ND			
Fluoranthene	ug/L	5	3.2	64	26-137	
Fluorene	ug/L	5	2.8	56	59-121 L0	
Hexachloro-1,3-butadiene	ug/L		ND			
Hexachlorobenzene	ug/L		ND			
Hexachlorocyclopentadiene	ug/L		ND			

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CABOT-EPA 007172



Pace Analytical Services, Inc.  
1638 Roseytown Road - Suites 2,3,4  
Greensburg, PA 15601  
(724)850-5600

## QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No : 3028907

LABORATORY CONTROL SAMPLE: 179442

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloroethane	ug/L		ND			
Indeno(1,2,3-cd)pyrene	ug/L	5	2.2	44	1-171	
Isophorone	ug/L		ND			
N-Nitroso-di-n-propylamine	ug/L	5	3.8	77	1-230	
N-Nitrosodimethylamine	ug/L		ND			
N-Nitrosodiphenylamine	ug/L		ND			
Naphthalene	ug/L	5	2.6	52	21-133	
Nitrobenzene	ug/L		ND			
Pentachlorophenol	ug/L	5	2.6	52	14-176	
Phenanthrene	ug/L	5	3.1	62	54-120	
Phenol	ug/L	5	1.1	22	5-112	
Pyrene	ug/L	5	3.5	69	26-127	
2,4,6-Tribromophenol (S)	%			55	10-123	
2-Fluorobiphenyl (S)	%			57	43-116	
2-Fluorophenol (S)	%			33	21-110	
Nitrobenzene-d5 (S)	%			66	35-114	
Phenol-d6 (S)	%			24	10-110	
Terphenyl-d14 (S)	%			77	33-141	

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CABOT-EPA 007173

### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

QC Batch: MSV/6094 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004, 3028907005

METHOD BLANK: 179619 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004, 3028907005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	1.0	06/08/10 10:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/08/10 10:48	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/08/10 10:48	
1,1-Dichloroethane	ug/L	ND	1.0	06/08/10 10:48	
1,1-Dichloroethene	ug/L	ND	1.0	06/08/10 10:48	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/08/10 10:48	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	06/08/10 10:48	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/08/10 10:48	
1,2-Dichloroethane	ug/L	ND	1.0	06/08/10 10:48	
1,2-Dichloropropane	ug/L	ND	1.0	06/08/10 10:48	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	06/08/10 10:48	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/08/10 10:48	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/08/10 10:48	
2-Butanone (MEK)	ug/L	ND	10.0	06/08/10 10:48	
2-Hexanone	ug/L	ND	10.0	06/08/10 10:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	06/08/10 10:48	
Acetone	ug/L	ND	10.0	06/08/10 10:48	
Benzene	ug/L	ND	1.0	06/08/10 10:48	
Bromochloromethane	ug/L	ND	1.0	06/08/10 10:48	
Bromodichloromethane	ug/L	ND	1.0	06/08/10 10:48	
Bromoform	ug/L	ND	1.0	06/08/10 10:48	
Bromomethane	ug/L	ND	1.0	06/08/10 10:48	
Carbon disulfide	ug/L	ND	1.0	06/08/10 10:48	
Carbon tetrachloride	ug/L	ND	1.0	06/08/10 10:48	
Chlorobenzene	ug/L	ND	1.0	06/08/10 10:48	
Chloroethane	ug/L	ND	1.0	06/08/10 10:48	
Chloroform	ug/L	ND	1.0	06/08/10 10:48	
Chloromethane	ug/L	ND	1.0	06/08/10 10:48	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/08/10 10:48	
cis-1,3-Dichloropropene	ug/L	ND	1.0	06/08/10 10:48	
Dibromochloromethane	ug/L	ND	1.0	06/08/10 10:48	
Ethylbenzene	ug/L	ND	1.0	06/08/10 10:48	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	06/08/10 10:48	
m&p-Xylene	ug/L	ND	2.0	06/08/10 10:48	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/08/10 10:48	
Methylene Chloride	ug/L	ND	1.0	06/08/10 10:48	
n-Butylbenzene	ug/L	ND	1.0	06/08/10 10:48	
n-Propylbenzene	ug/L	ND	1.0	06/08/10 10:48	
Naphthalene	ug/L	ND	2.0	06/08/10 10:48	
o-Xylene	ug/L	ND	1.0	06/08/10 10:48	
p-Isopropyltoluene	ug/L	ND	1.0	06/08/10 10:48	
sec-Butylbenzene	ug/L	ND	1.0	06/08/10 10:48	
Styrene	ug/L	ND	1.0	06/08/10 10:48	

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CABOT-EPA 007174



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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

METHOD BLANK: 179619

Matrix: Water

Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004, 3028907005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	ND	1.0	06/08/10 10:48	
Toluene	ug/L	ND	1.0	06/08/10 10:48	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/08/10 10:48	
trans-1,3-Dichloropropene	ug/L	ND	1.0	06/08/10 10:48	
Trichloroethene	ug/L	ND	1.0	06/08/10 10:48	
Vinyl chloride	ug/L	ND	1.0	06/08/10 10:48	
Xylene (Total)	ug/L	ND	3.0	06/08/10 10:48	
1,2-Dichloroethane-d4 (S)	%	96	70-130	06/08/10 10:48	
4-Bromofluorobenzene (S)	%	100	70-130	06/08/10 10:48	
Toluene-d8 (S)	%	103	70-130	06/08/10 10:48	

LABORATORY CONTROL SAMPLE: 179620

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	16.3	81	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	18.3	92	70-130	
1,1,2-Trichloroethane	ug/L	20	16.6	83	70-130	
1,1-Dichloroethane	ug/L	20	17.4	87	70-130	
1,1-Dichloroethene	ug/L	20	15.9	80	70-130	
1,2,4-Trichlorobenzene	ug/L	20	16.0	80	70-130	
1,2,4-Trimethylbenzene	ug/L	20	19.2	96	70-130	
1,2-Dichlorobenzene	ug/L	20	18.5	92	70-130	
1,2-Dichloroethane	ug/L	20	16.6	83	70-130	
1,2-Dichloropropane	ug/L	20	16.8	84	70-130	
1,3,5-Trimethylbenzene	ug/L	20	19.3	96	70-130	
1,3-Dichlorobenzene	ug/L	20	18.2	91	70-130	
1,4-Dichlorobenzene	ug/L	20	18.9	94	70-130	
2-Butanone (MEK)	ug/L	20	19.1	95	70-130	
2-Hexanone	ug/L	20	20.5	103	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.4	92	70-130	
Acetone	ug/L	20	24.6	123	70-130	
Benzene	ug/L	20	17.7	88	70-130	
Bromochloromethane	ug/L	20	15.5	77	70-130	
Bromodichloromethane	ug/L	20	16.2	81	70-130	
Bromoform	ug/L	20	16.0	80	70-130	
Bromomethane	ug/L	20	26.5	133	70-130 LO	
Carbon disulfide	ug/L	20	16.6	83	70-130	
Carbon tetrachloride	ug/L	20	15.6	78	70-130	
Chlorobenzene	ug/L	20	17.6	88	70-130	
Chloroethane	ug/L	20	14.5	72	70-130	
Chloroform	ug/L	20	16.5	83	70-130	
Chloromethane	ug/L	20	15.2	76	70-130	
cis-1,2-Dichloroethene	ug/L	20	16.7	84	70-130	
cis-1,3-Dichloropropene	ug/L	20	16.9	84	70-130	
Dibromochloromethane	ug/L	20	17.2	86	70-130	

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CABOT-EPA 007175

### QUALITY CONTROL DATA

Project XXXXXXXXXX 2H/4H  
Pace Project No. 3028907

LABORATORY CONTROL SAMPLE: 179620

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	20	17.2	86	70-130	
Isopropylbenzene (Cumene)	ug/L	20	20.2	101	70-130	
m&p-Xylene	ug/L	40	35.2	88	70-130	
Methyl-tert-butyl ether	ug/L	20	17.1	85	70-130	
Methylene Chloride	ug/L	20	15.8	79	70-130	
n-Butylbenzene	ug/L	20	19.4	97	70-130	
n-Propylbenzene	ug/L	20	20.2	101	70-130	
Naphthalene	ug/L	20	18.3	91	70-130	
o-Xylene	ug/L	20	17.1	85	70-130	
p-Isopropyltoluene	ug/L	20	19.2	96	70-130	
sec-Butylbenzene	ug/L	20	19.8	99	70-130	
Styrene	ug/L	20	16.9	85	70-130	
Tetrachloroethene	ug/L	20	18.4	92	70-130	
Toluene	ug/L	20	18.3	92	70-130	
trans-1,2-Dichloroethene	ug/L	20	16.4	82	70-130	
trans-1,3-Dichloropropene	ug/L	20	16.7	84	70-130	
Trichloroethene	ug/L	20	16.1	80	70-130	
Vinyl chloride	ug/L	20	15.6	78	70-130	
Xylene (Total)	ug/L	60	52.3	87	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			103	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE		179621		179622							
Parameter	Units	3028907001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	15.7	15.4	78	77	70-130	2	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	17.0	16.6	85	83	70-130	3	
1,1,2-Trichloroethane	ug/L	ND	20	20	14.9	14.7	74	73	70-130	1	
1,1-Dichloroethane	ug/L	ND	20	20	16.1	15.7	80	78	70-130	3	
1,1-Dichloroethene	ug/L	ND	20	20	17.5	16.7	88	83	70-130	5	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	13.5	13.3	67	67	70-130	1	M0
1,2,4-Trimethylbenzene	ug/L	ND	20	20	17.6	16.7	88	84	70-130	5	
1,2-Dichlorobenzene	ug/L	ND	20	20	16.5	16.1	83	81	70-130	2	
1,2-Dichloroethane	ug/L	ND	20	20	15.7	14.2	78	71	70-130	10	
1,2-Dichloropropane	ug/L	ND	20	20	14.8	14.2	74	71	70-130	4	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	17.8	17.2	89	86	70-130	3	
1,3-Dichlorobenzene	ug/L	ND	20	20	16.3	15.8	81	79	70-130	3	
1,4-Dichlorobenzene	ug/L	ND	20	20	16.7	16.1	84	81	70-130	4	
2-Butanone (MEK)	ug/L	ND	20	20	16.9	16.0	85	80	70-130	5	
2-Hexanone	ug/L	ND	20	20	19.0	16.8	95	84	70-130	12	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	18.1	17.4	90	87	70-130	4	
Acetone	ug/L	ND	20	20	17.3	17.0	87	85	70-130	2	
Benzene	ug/L	ND	20	20	15.6	15.3	78	77	70-130	1	
Bromochloromethane	ug/L	ND	20	20	14.7	14.0	73	70	70-130	5	
Bromodichloromethane	ug/L	ND	20	20	15.2	14.7	76	74	70-130	3	

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Greensburg, PA 15601  
(724)850-5600

### QUALITY CONTROL DATA

Project: 2H/4H  
Pace Project No.: 3028907

MATRIX SPIKE & MATRIX SPIKE DUPLICATE											
			179621			179622					
Parameter	Units	3028907001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Bromoform	ug/L	ND	20	20	14.4	14.5	72	73	70-130	.6	M0
Bromomethane	ug/L	ND	20	20	12.2	12.2	61	61	70-130	.3	
Carbon disulfide	ug/L	ND	20	20	18.1	17.4	91	87	70-130	4	
Carbon tetrachloride	ug/L	ND	20	20	15.6	15.8	78	79	70-130	1	
Chlorobenzene	ug/L	ND	20	20	15.8	15.7	79	78	70-130	.4	
Chloroethane	ug/L	ND	20	20	14.5	16.5	72	82	70-130	13	
Chloroform	ug/L	ND	20	20	15.3	14.8	76	74	70-130	3	
Chloromethane	ug/L	ND	20	20	14.1	15.7	70	79	70-130	11	
cis-1,2-Dichloroethene	ug/L	ND	20	20	15.7	14.9	79	74	70-130	6	
cis-1,3-Dichloropropene	ug/L	ND	20	20	14.8	14.5	74	72	70-130	2	
Dibromochloromethane	ug/L	ND	20	20	15.2	15.2	76	76	70-130	.009	
Ethylbenzene	ug/L	ND	20	20	15.6	15.6	78	78	70-130	.5	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	18.4	18.0	92	90	70-130	2	
m&p-Xylene	ug/L	ND	40	40	32.6	32.3	81	81	70-130	.8	
Methyl-tert-butyl ether	ug/L	ND	20	20	16.7	16.0	84	80	70-130	4	
Methylene Chloride	ug/L	ND	20	20	15.0	14.1	75	70	70-130	6	
n-Butylbenzene	ug/L	ND	20	20	16.6	16.1	83	80	70-130	3	
n-Propylbenzene	ug/L	ND	20	20	18.5	17.8	92	89	70-130	4	
Naphthalene	ug/L	ND	20	20	15.5	16.1	78	80	70-130	3	
o-Xylene	ug/L	ND	20	20	15.5	15.4	77	77	70-130	.7	
p-Isopropyltoluene	ug/L	ND	20	20	17.2	16.9	86	84	70-130	2	
sec-Butylbenzene	ug/L	ND	20	20	17.8	17.5	89	88	70-130	2	
Styrene	ug/L	ND	20	20	15.7	15.5	79	78	70-130	1	
Tetrachloroethene	ug/L	ND	20	20	17.1	16.7	85	84	70-130	2	
Toluene	ug/L	ND	20	20	16.3	16.1	81	80	70-130	1	
trans-1,2-Dichloroethene	ug/L	ND	20	20	15.5	15.4	78	77	70-130	.6	
trans-1,3-Dichloropropene	ug/L	ND	20	20	15.3	15.0	76	75	70-130	2	
Trichloroethene	ug/L	ND	20	20	14.7	14.7	73	74	70-130	.5	
Vinyl chloride	ug/L	ND	20	20	16.3	18.0	81	90	70-130	10	
Xylene (Total)	ug/L	ND	60	60	48.1	47.7	80	79	70-130	.8	
1,2-Dichloroethane-d4 (S)	%						101	99	70-130		
4-Bromofluorobenzene (S)	%						98	99	70-130		
Toluene-d8 (S)	%						102	102	70-130		

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CABOT-EPA 007177

### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

QC Batch: WET/5852 Analysis Method: EPA 1664A  
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 179670 Matrix: Water

Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	06/08/10 17:47	

METHOD BLANK: 179672 Matrix: Water

Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	06/08/10 17:47	

LABORATORY CONTROL SAMPLE: 179671

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	42.1	38.7	92	78-114	

LABORATORY CONTROL SAMPLE: 179673

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	42.1	38.0	90	78-114	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028907

QC Batch: WET/5854 Analysis Method: EPA 1664A  
QC Batch Method: EPA 1664A Analysis Description: 1664 SGT-HEM, TPH  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 179676 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	05/08/10 17:44	

LABORATORY CONTROL SAMPLE: 179677

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	21.1	18.4	87	64-132	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No : 3028907

QC Batch:	WET/5858	Analysis Method:	SM 2310B
QC Batch Method:	SM 2310B	Analysis Description:	2310B Acidity, Total
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004			

METHOD BLANK: 179743 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acidity, Total	mg/L	ND	10.0	06/09/10 21:00	

SAMPLE DUPLICATE: 179744

Parameter	Units	3028462002 Result	Dup Result	RPD	Qualifiers
Acidity, Total	mg/L	ND	ND		D6

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

QC Batch: WET/5840 Analysis Method: SM 2320B  
QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 179317 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	ND	10.0	06/07/10 19 31	

LABORATORY CONTROL SAMPLE: 179318

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	20	18.0	90	85-115	

MATRIX SPIKE SAMPLE: 179319

Parameter	Units	3028418003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	36.0	100	130	94	80-120	

SAMPLE DUPLICATE: 179320

Parameter	Units	3028418003 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO <sub>3</sub>	mg/L	36.0	36.0	0	

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DIM0227454

DIM0228414



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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No: 3028907

QC Batch: WET/5842 Analysis Method: SM 2540C  
QC Batch Method: SM 2540C Analysis Description: 2540C Total Dissolved Solids  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 179329 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	06/07/10 18:35	

LABORATORY CONTROL SAMPLE: 179330

Parameter	Units	Spike Conc	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	1000	997	100	85-115	

SAMPLE DUPLICATE: 179779

Parameter	Units	3028907004 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	182	176	3	

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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H

Pace Project No.: 3028907

QC Batch:	WET/5862	Analysis Method:	SM 4500-H+B
QC Batch Method:	SM 4500-H+B	Analysis Description:	4500H+B pH
Associated Lab Samples	3028907001, 3028907002, 3028907003, 3028907004		

SAMPLE DUPLICATE: 179943

Parameter	Units	3029007001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	7.9	.3	H6

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### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No : 3028907

QC Batch:	WET/5829	Analysis Method:	SM 5540C
QC Batch Method:	SM 5540C	Analysis Description:	5540C MBAS Surfactants
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004			

METHOD BLANK: 178930 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.10	06/04/10 15:55	

METHOD BLANK: 178931 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Surfactants	mg/L	ND	0.10	06/04/10 15:55	

LABORATORY CONTROL SAMPLE: 178932

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	1	0.95	95	85-115 SU	

MATRIX SPIKE SAMPLE: 178934

Parameter	Units	3028907004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Surfactants	mg/L	ND	1	0.97	97	85-115	

SAMPLE DUPLICATE: 178933

Parameter	Units	3028907003 Result	Dup Result	RPD	Qualifiers
Surfactants	mg/L	ND	ND		





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### QUALITY CONTROL DATA

Project: [REDACTED] 2H/4H  
Pace Project No: 3028907

QC Batch: WETA/4460 Analysis Method: EPA 350.1  
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia, Distilled  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

METHOD BLANK: 180575 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ammonia, Distilled	mg/L	ND	0.10	05/10/10 11:17	

LABORATORY CONTROL SAMPLE: 180576

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ammonia, Distilled	mg/L	4	4.3	107	85-115	

MATRIX SPIKE SAMPLE: 180577

Parameter	Units	3028907004 Result	Spike Conc	MS Result	MS % Rec	% Rec Limits	Qualifiers
Ammonia, Distilled	mg/L	ND	4	4.0	100	85-115	

SAMPLE DUPLICATE: 180578

Parameter	Units	3028907004 Result	Dup Result	RPD	Qualifiers
Ammonia, Distilled	mg/L	ND	ND		

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CABOT-EPA 007185

### QUALITY CONTROL DATA

Project: XXXXXXXXXX 2H/4H  
Pace Project No.: 3028907

QC Batch:	WETA/4430	Analysis Method	SM 4500-Cl-E
QC Batch Method:	SM 4500-Cl-E	Analysis Description:	4500 Chloride
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004			

METHOD BLANK: 179521 Matrix: Water  
Associated Lab Samples: 3028907001, 3028907002, 3028907003, 3028907004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	3.0	06/08/10 10:34	

LABORATORY CONTROL SAMPLE: 179522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	40	40.0	100	85-115	

MATRIX SPIKE SAMPLE: 179523

Parameter	Units	3028424008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	78.4	20	90.7	61	85-115	M1

SAMPLE DUPLICATE: 179524

Parameter	Units	3028424008 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	78.4	78.5	.05	



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## QUALIFIERS

Project: [REDACTED] 2H/4H  
Pace Project No.: 3028907

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

### LABORATORIES

PASI-PA Pace Analytical Services - Greensburg

### WORKORDER QUALIFIERS

WO: 3028907

- [1] The samples were subcontracted to Summit Environmental, 3310 Win Street, Cuyahoga Falls, OH 44223 for Glycol analysis. Results of the analysis are reported on the Summit Environmental. data tables
- [2] This project was revised on 6/11/10 in order to Jflag dissolved TI.

### BATCH QUALIFIERS

Batch: OEXT/5121

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/5122

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: OEXT/5125

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

H6 Analysis initiated more than 15 minutes after sample collection.

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

SU MBAS, calculated as LAS, Mol wt 342.2 g/mol

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: XXXXXXXXXX 2H/4H  
Pace Project No : 3028907

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3028907001	MW-1	EPA 3510	OEXT/5125	EPA 8015B Modified	GCSV/2547
3028907002	MW-X	EPA 3510	OEXT/5125	EPA 8015B Modified	GCSV/2547
3028907003	MW-2	EPA 3510	OEXT/5125	EPA 8015B Modified	GCSV/2547
3028907004	MW-4	EPA 3510	OEXT/5125	EPA 8015B Modified	GCSV/2547
3028907001	MW-1	EPA 5030/8015 Mod	GCV/1359		
3028907002	MW-X	EPA 5030/8015 Mod.	GCV/1359		
3028907003	MW-2	EPA 5030/8015 Mod.	GCV/1359		
3028907004	MW-4	EPA 5030/8015 Mod.	GCV/1359		
3028907001	MW-1	EPA 3005	MPRP/3995	EPA 6010B	ICP/3580
3028907002	MW-X	EPA 3005	MPRP/3995	EPA 6010B	ICP/3580
3028907003	MW-2	EPA 3005	MPRP/3995	EPA 6010B	ICP/3580
3028907004	MW-4	EPA 3005	MPRP/3995	EPA 6010B	ICP/3580
3028907001	MW-1	EPA 3005	MPRP/4002	EPA 6010	ICP/3584
3028907002	MW-X	EPA 3005	MPRP/4002	EPA 6010	ICP/3584
3028907003	MW-2	EPA 3005	MPRP/4002	EPA 6010	ICP/3584
3028907004	MW-4	EPA 3005	MPRP/4002	EPA 6010	ICP/3584
3028907001	MW-1	EPA 7470	MERP/1990	EPA 7470	MERC/1939
3028907002	MW-X	EPA 7470	MERP/1990	EPA 7470	MERC/1939
3028907003	MW-2	EPA 7470	MERP/1990	EPA 7470	MERC/1939
3028907004	MW-4	EPA 7470	MERP/1990	EPA 7470	MERC/1939
3028907001	MW-1	EPA 7470	MERP/1995	EPA 7470	MERC/1943
3028907002	MW-X	EPA 7470	MERP/1995	EPA 7470	MERC/1943
3028907003	MW-2	EPA 7470	MERP/1995	EPA 7470	MERC/1943
3028907004	MW-4	EPA 7470	MERP/1995	EPA 7470	MERC/1943
3028907001	MW-1	EPA 3510	OEXT/5122	EPA 8270 by SIM	MSSV/2174
3028907002	MW-X	EPA 3510	OEXT/5122	EPA 8270 by SIM	MSSV/2174
3028907003	MW-2	EPA 3510	OEXT/5122	EPA 8270 by SIM	MSSV/2174
3028907004	MW-4	EPA 3510	OEXT/5122	EPA 8270 by SIM	MSSV/2174
3028907001	MW-1	EPA 3510	OEXT/5121	EPA 8270	MSSV/2172
3028907002	MW-X	EPA 3510	OEXT/5121	EPA 8270	MSSV/2172
3028907003	MW-2	EPA 3510	OEXT/5121	EPA 8270	MSSV/2172
3028907004	MW-4	EPA 3510	OEXT/5121	EPA 8270	MSSV/2172
3028907001	MW-1	EPA 8260	MSV/6094		
3028907002	MW-X	EPA 8260	MSV/6094		
3028907003	MW-2	EPA 8260	MSV/6094		
3028907004	MW-4	EPA 8260	MSV/6094		
3028907005	TRIP BLANK	EPA 8260	MSV/6094		
3028907001	MW-1	EPA 1664A	WET/5852		
3028907002	MW-X	EPA 1664A	WET/5852		
3028907003	MW-2	EPA 1664A	WET/5852		
3028907004	MW-4	EPA 1664A	WET/5852		
3028907001	MW-1	EPA 1664A	WET/5854		
3028907002	MW-X	EPA 1664A	WET/5854		
3028907003	MW-2	EPA 1664A	WET/5854		

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project. [REDACTED] 2H/4H  
Pace Project No. 3028907

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3028907004	MW-4	EPA 1664A	WET/5854		
3028907001	MW-1	SM 2310B	WET/5858		
3028907002	MW-X	SM 2310B	WET/5858		
3028907003	MW-2	SM 2310B	WET/5858		
3028907004	MW-4	SM 2310B	WET/5858		
3028907001	MW-1	SM 2320B	WET/5840		
3028907002	MW-X	SM 2320B	WET/5840		
3028907003	MW-2	SM 2320B	WET/5840		
3028907004	MW-4	SM 2320B	WET/5840		
3028907001	MW-1	SM 2540C	WET/5842		
3028907002	MW-X	SM 2540C	WET/5842		
3028907003	MW-2	SM 2540C	WET/5842		
3028907004	MW-4	SM 2540C	WET/5842		
3028907001	MW-1	SM 4500-H+B	WET/5862		
3028907002	MW-X	SM 4500-H+B	WET/5862		
3028907003	MW-2	SM 4500-H+B	WET/5862		
3028907004	MW-4	SM 4500-H+B	WET/5862		
3028907001	MW-1	SM 5540C	WET/5829		
3028907002	MW-X	SM 5540C	WET/5829		
3028907003	MW-2	SM 5540C	WET/5829		
3028907004	MW-4	SM 5540C	WET/5829		
3028907001	MW-1	EPA 350.1	WETA/4460		
3028907002	MW-X	EPA 350.1	WETA/4460		
3028907003	MW-2	EPA 350.1	WETA/4460		
3028907004	MW-4	EPA 350.1	WETA/4460		
3028907001	MW-1	SM 4500-CI-E	WETA/4430		
3028907002	MW-X	SM 4500-CI-E	WETA/4430		
3028907003	MW-2	SM 4500-CI-E	WETA/4430		
3028907004	MW-4	SM 4500-CI-E	WETA/4430		

Date: 06/11/2010 05:13 PM

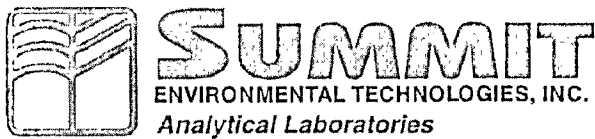
### REPORT OF LABORATORY ANALYSIS

Page 56 of 56

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CABOT-EPA 007189



## LABORATORY REPORT

### Client

Pace Analytical  
1638 Roseytown Road  
Greensburg, PA 15601

### Order Number

1008440

### Project Number

3028907

### Issued

Thursday, June 10, 2010

### Total Number of Pages

4 (excluding C.O.C. and cooler receipt form)

Approved By :

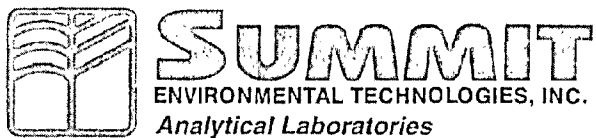
A handwritten signature in black ink, appearing to read "R. Libas".

QA Manager

NELAC Accreditation #E87688

*"Analytical Integrity"* • EPA Certified • NELAP Certified  
3310 Win Street • Cuyahoga Falls, Ohio 44223 • Phone: 330-253-8211 • Fax: 330-253-4489  
Web Site: [www.soltek.com](http://www.soltek.com)

CABOT-EPA 007190



### Sample Summary

Client: Pace Analytical

Order Number: 1008440

---

Laboratory ID	Client ID	Matrix	Sampling Date
1008440-01	3028907001	Liquid	6/3/2010
1008440-02	3028907002	Liquid	6/3/2010
1008440-03	3028907003	Liquid	6/3/2010
1008440-04	3028907004	Liquid	6/4/2010

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Web Site: [www.settek.com](http://www.settek.com)

CABOT-EPA 007191



## Report Narrative

Client: Pace Analytical

Order Number: 1008440

No problems were encountered during analysis of this order number, except as noted.

**Data Qualifiers:**

B = Analyte found in the method blank

J = Estimated concentration of analyte between MDL (LOD) and Reporting Limit (LOQ)

C = Analyte has been confirmed by another instrument or method

E = Analyte exceeds the upper limit of the calibration curve.

D = Sample or extract was analyzed at a higher dilution

X = User defined data qualifier.

S = Surrogate out of control limits

U = Undetected

a = Not Accredited by NELAC

ND = Non Detected at LOQ

DF = Dilution Factor

Limit Of Quantitation (LOQ) = Laboratory Reporting Limit (not adjusted for dilution factor)

Limit Of Detection (LOD) = Laboratory Detection Limit

**Matrices:**

A = Air

C = Cream

DW = Drinking Water

L = Liquid

O = Oil

SL = Sludge

SO = Soil

S = Solid

T = Tablet

TC = TCLP Extract

WW = Waste Water

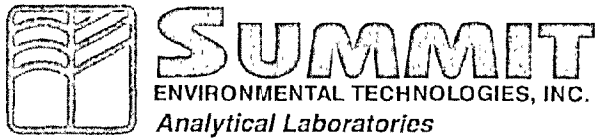
W = Wipe

Estimated uncertainty values are available upon request.

The test results meet the requirements of the NELAC standard, except where noted. The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the client. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the client for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

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Web Site: [www.settek.com](http://www.settek.com)





June 10, 2010

Client: Pace Analytical  
Address: 1638 Roseytown Road  
Greensburg, PA 15601

Received: 6/8/2010  
Project #: 3028907

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3028907001	1008440-01	03-Jun-10	Ethylene glycol	ND	mg/L	L	8015	1	10	10-Jun-10	JBN

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3028907002	1008440-02	03-Jun-10	Ethylene glycol	ND	mg/L	L	8015	1	10	10-Jun-10	JBN

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3028907003	1008440-03	03-Jun-10	Ethylene glycol	ND	mg/L	L	8015	1	10	10-Jun-10	JBN

<u>Client ID#</u>	<u>Lab ID#</u>	<u>Collected</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Matrix</u>	<u>Method</u>	<u>DF</u>	<u>LOQ</u>	<u>Run</u>	<u>Analyst</u>
3028907004	1008440-04	04-Jun-10	Ethylene glycol	ND	mg/L	L	8015	1	10	10-Jun-10	JBN

Page 4

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Web Site: [www.settek.com](http://www.settek.com)

CABOT-EPA 007193

# Chain of Custody



Pace Analytical Services, Inc.  
1638 Roseytown Road  
Suites 2,3, & 4  
Greensburg, PA 15601  
Phone: (724) 850-5600  
FAX: (724) 850-5601

Subcontractor Project No.:  
P.O. No: ASR- 3028907

Request Date: 6/7/10 Analysis Due Date: 6/10/2010  
Shipped By: FedEx

Certification Required: PA Cert

Pace Project No.: 3028907  
Report/Invoice to: Tim Reed

Page 1 of 1

	Pace Sample ID:	Matrix:	Collection Date:	Time:	Analysis Requested:	Analytical Method:	Detection Limits:	Units Requested:
1	3028907001	WT	6/3/10	14:30	Ethylene Glycol	8015		
2	3028907002	WT	6/3/10	14:45	Ethylene Glycol	8015		
3	3028907003	WT	6/3/10	16:15	Ethylene Glycol	8015		
4	3028907004	WT	6/4/10	8:00	Ethylene Glycol	8015		
5								
6								
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9								
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12								

1008440-01-04

Special Requirements:

Subcontract Lab: Summit Environmental Technologies, Inc.  
Address: 3310 Win Street  
Cuyahoga Falls, OH 44223  
Phone: 330-253-8211

Analysis Authorized By:  
Pace Agent Name Title  
Acceptance of Terms By:  
Subcontract Lab Agent Title

Relinquished By: [Signature] 6/7/10 15:25  
(Signature & Affiliation) (Date) (Time)  
Relinquished By:  
(Signature & Affiliation) (Date) (Time)

Received By: [Signature] 6/8/10 10:45  
(Signature & Affiliation) (Date) (Time)  
Received By:  
(Signature & Affiliation) (Date) (Time)

Comments:

ASR (C015-0 31 July 2007)

CABOT-EPA 007194

DIM0227454

DIM0228427

**Summit Environmental Technologies, Inc.  
Cooler Receipt Form**

Client: Pace Order Number: 1008440

Date Received: 6-8-10 Time Received: 9:45

Number of Coolers/Boxes: 1 N/A

Shipper: FED EX UPS DHL Airborne US Postal Walk-in Pickup Other: \_\_\_\_\_

Packaging: Peanuts Bubble Wrap Paper Foam None Other: \_\_\_\_\_

Tape on cooler/box: (Y) N N/A

Custody Seals intact (Y) N N/A

C-O-C in plastic (Y) N N/A

Ice X Blue ice (present) absent / melted N/A

Sample Temperature 2.5 °C N/A

C-O-C filled out properly (Y) N N/A

Samples in separate bags (Y) N N/A

Sample containers intact (Y) N N/A

\*If no, list broken sample(s): \_\_\_\_\_

Sample label(s) complete (ID, date, etc.) (Y) N N/A

Label(s) agree with C-O-C (Y) N N/A

Correct containers used (Y) N N/A

Sufficient sample received Y N N/A

Bubbles absent from 40 mL vials\*\* Y N N/A

\*\* Samples with bubbles less than the size of a pea are acceptable.

Was client contacted about samples Y N

Will client send new samples Y N

Client contact: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Logged in by: \_\_\_\_\_

Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Rev. 6

CABOT-EPA 007195

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MB

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS106081

Matrix: (soil/water) WATER Lab Sample ID: 179441

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M10608A1

Level: (low/med) LOW Date Received: 06/07/10

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_ Date Extracted: 07/11/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/08/10

Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 6 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.58	0.674	J
2.	UNKNOWN	4.27	2.66	J
3. 1120-21-4	UNDECANE	5.48	0.607	NJ
4. 57-10-3	HEXADECANOIC ACID	10.15	0.981	NJ
5.	UNKNOWN	12.92	1.07	J
6.	UNKNOWN	13.01	0.753	J
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FORM I SV-TIC

CABOT-EPA 007196

FORM 1 URS Corporation - PG04-JUN-2010 14:30  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

MW-1

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS106081  
Matrix: (soil/water) WATER Lab Sample ID: 3028907001  
Sample wt/vol: 910.0 (g/mL) ML Lab File ID: M10608A3  
Level: (low/med) LOW Date Received: 06/04/10  
% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_ Date Extracted: 07/11/91  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/08/10  
Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.27	3.08	J
2. 1120-21-4	UNDECANE	5.49	0.763	NJ
3.	UNKNOWN	6.08	0.848	J
4. 143-07-7	DODECANOIC ACID	8.40	1.24	NJ
5. 57-10-3	N-HEXADECANOIC ACID	10.15	1.92	NJ
6. 301-02-0	9-OCTADECENAMIDE, (Z)-	11.62	1.68	NJ
7. 117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	12.17	0.819	NJ
8. 112-84-5	ERUCYLAMIDE \$S 13-DOCOSENAMI	12.92	3.40	NJ
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FORM I SV-TIC

CABOT-EPA 007197

FORM 1 URS Corporation - PG04-JUN-2010 14:30  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

MW-2

Lab Name: Contract: MW-2

Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS106081

Matrix: (soil/water) WATER Lab Sample ID: 3028907003

Sample wt/vol: 900.0 (g/mL) ML Lab File ID: M10608A5

Level: (low/med) LOW Date Received: 06/04/10

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_ Date Extracted: 07/11/91

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/08/10

Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	4.27	3.62	J
2. 1120-21-4	UNDECANE	5.49	0.827	NJ
3.	UNKNOWN	6.08	0.528	J
4. 143-07-7	DODECANOIC ACID	8.40	1.12	NJ
5. 57-10-3	N-HEXADECANOIC ACID	10.15	1.48	NJ
6. 301-02-0	9-OCTADECENAMIDE, (Z) -	11.62	1.46	NJ
7. 301-02-0	9-OCTADECENAMIDE, (Z) -	12.92	2.72	NJ
8.	UNKNOWN	13.50	0.578	J
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FORM I SV-TIC

CABOT-EPA 007198

FORM 1 URS Corporation - PG04-JUN-2010 14:30  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

MW-4

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS106081  
Matrix: (soil/water) WATER Lab Sample ID: 3028907004  
Sample wt/vol: 940.0 (g/mL) ML Lab File ID: M10608A6  
Level: (low/med) LOW Date Received: 06/04/10  
% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_ Date Extracted: 07/11/91  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/08/10  
Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

Number TICs found: 18

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.58	1.01	J
2.	UNKNOWN	4.27	3.69	J
3. 124-18-5	DECANE	5.48	0.833	NJ
4.	UNKNOWN	6.09	1.17	J
5.	UNKNOWN	7.61	0.784	J
6. 143-07-7	DODECANOIC ACID	8.40	1.69	NJ
7.	UNKNOWN	9.95	0.487	J
8. 57-10-3	N-HEXADECANOIC ACID	10.15	4.26	NJ
9.	UNKNOWN	10.83	0.474	J
10. 57-11-4	OCTADECANOIC ACID	10.92	3.12	NJ
11.	UNKNOWN	11.62	1.66	J
12.	UNKNOWN	11.65	0.780	J
13.	UNKNOWN	11.72	0.635	J
14. 74685-30-6	5-EICOSENE, (E) -	12.35	1.04	NJ
15. 301-02-0	9-OCTADECENAMIDE, (Z) -	12.91	2.76	NJ
16. 0-00-0	HEPTAFLUOROBUTYRIC ACID, N-O	12.95	5.48	NJ
17. 0-00-0	HEPTAFLUOROBUTYRIC ACID, N-O	13.50	4.67	NJ
18. 25154-56-7	NONACOSANOL	14.02	1.86	NJ
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FORM I SV-TIC

CABOT-EPA 007199

FORM 1 URS Corporation - PG04-JUN-2010 14:30  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

MW-X

Lab Name: Contract: Lab Code: Case No.: SAS No.: SDG No.: 30MSS1-MSS106081  
Matrix: (soil/water) WATER Lab Sample ID: 3028907002  
Sample wt/vol: 925.0 (g/mL) ML Lab File ID: M10608A4  
Level: (low/med) LOW Date Received: 06/04/10  
% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_ Date Extracted: 07/11/91  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/08/10  
Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0  
GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 10 CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	2.58	0.480	J
2.	UNKNOWN	4.27	3.31	J
3.	UNKNOWN	4.77	2.64	J
4. 1120-21-4	UNDECANE	5.49	0.687	NJ
5.	UNKNOWN	6.08	0.794	J
6. 143-07-7	DODECANOIC ACID	8.40	1.16	NJ
7. 57-10-3	HEXADECANOIC ACID	10.15	1.43	NJ
8. 0-00-0	Z-8-HEXADECENE	10.66	1.60	NJ
9. 1120-16-7	DODECANAMIDE \$\$ LAURAMIDE \$\$	11.62	1.85	NJ
10. 301-02-0	9-OCTADECENAMIDE, (Z) -	12.91	2.60	NJ
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FORM I SV-TIC

CABOT-EPA 007200







# Sample Condition Upon Receipt

RES

Client Name: URS

Project # 3028907

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other \_\_\_\_\_

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other \_\_\_\_\_

Thermometer Used 3 5

Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 27

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: EL 06/04

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>Ag</u>		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, M-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>EL</u> Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: 6/7/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003-4 23Feb2010

CABOT-EPA 007202

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

---


June 7, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 03-Jun-10  
Time Sampled: 14.30  
Date Received: 03-Jun-10  
Time Received: 19.35  
Sampled by: A. Bayne / URS

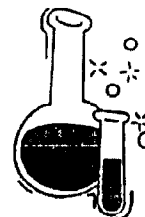
MW -1

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	163	cfu/ 100 ml	SM <sub>20</sub> 9222 B	03-Jun-10	20:15
Fecal Coliform	150	cfu/ 100 ml	SM <sub>20</sub> 9222 B	03-Jun-10	20:15
Fecal Coliform	192	cfu/ 100 ml	SM <sub>20</sub> 9222 D	03-Jun-10	20:00
Fecal Strep	552	cfu/ 100 ml	SM <sub>20</sub> 9230 C	03-Jun-10	20:30

  
Virgil Runco  
Microbiology Supervisor

---

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964**      **FAX: (570) 489-6965**



CABOT-EPA 007203

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

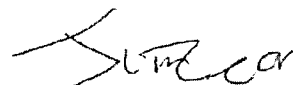
June 7, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 03-Jun-10  
Time Sampled: 14:45  
Date Received: 03-Jun-10  
Time Received: 19:35  
Sampled by: A Bayne / URS

MW -2

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	350	cfu/ 100 ml	SM <sub>20</sub> 9222 B	03-Jun-10	20:15
Fecal Coliform	350	cfu/ 100 ml	SM <sub>20</sub> 9222 B	03-Jun-10	20:15
Fecal Coliform	304	cfu/ 100 ml	SM <sub>20</sub> 9222 D	03-Jun-10	20:00
Fecal Strep	< 1	cfu/ 100 ml	SM <sub>20</sub> 9230 C	03-Jun-10	20:30

  
Virgil Runco  
Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 007204

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

June 7, 2010

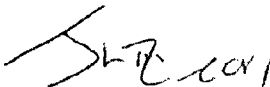
James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 04-Jun-10  
Time Sampled: 8:00  
Date Received: 04-Jun-10  
Time Received: 19:40  
Sampled by: A. Bayne/URS

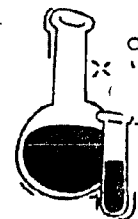
Location: MW-4

2H/4H

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	200	cfu/ 100 ml	SM <sub>20</sub> 9222 B	04-Jun-10	20:00
Fecal Coliform	200	cfu/ 100 ml	SM <sub>20</sub> 9222 B	04-Jun-10	20:00
Fecal Coliform	140	cfu/ 100 ml	SM <sub>20</sub> 9222 D	04-Jun-10	19:50
Fecal Strep	100	cfu/ 100 ml	SM <sub>10</sub> 9230 C	04-Jun-10	20:10

  
Virgil Runco  
Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 007205

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**

June 7, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 03-Jun-10  
Time Sampled: 14:45  
Date Received: 03-Jun-10  
Time Received: 19:35  
Sampled by: A. Bayne / URS

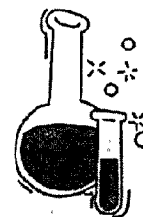
MW -X

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	424	cfu/ 100 ml	SM <sub>20</sub> 9222 B	03-Jun-10	20:15
Fecal Coliform	424	cfu/ 100 ml	SM <sub>20</sub> 9222 B	03-Jun-10	20:15
Fecal Coliform	576	cfu/ 100 ml	SM <sub>20</sub> 9222 D	03-Jun-10	20:00
Fecal Strep	640	cfu/ 100 ml	SM <sub>70</sub> 9230 C	03-Jun-10	20:30



Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965**



CABOT-EPA 007206

# QUANTUM

**ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.**


June 7, 2010

James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

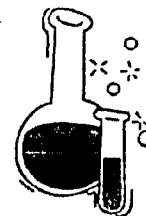
Date Sampled: 04-Jun-10  
Time Sampled: 15:10  
Date Received: 04-Jun-10  
Time Received: 19:40  
Sampled by: B. Rieder/Quantum

Location: [REDACTED] - H.D Well 2 [REDACTED] 2H/4H

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	160	cfu/ 100 ml	SM <sub>20</sub> 9222 B	04-Jun-10	20:00
Fecal Coliform	160	cfu/ 100 ml	SM <sub>20</sub> 9222 B	04-Jun-10	20:00
Fecal Coliform	120	cfu/ 100 ml	SM <sub>20</sub> 9222 D	04-Jun-10	19:50
Fecal Strep	680	cfu/ 100 ml	SM <sub>20</sub> 9230 C	04-Jun-10	20:10

  
Virgil Runco  
Microbiology Supervisor

**DICKSON CITY INDUSTRIAL PARK**  
**824 ENTERPRISE STREET**  
**DICKSON CITY, PA 18519-1593**  
**PHONE: (570) 489-6964** **FAX: (570) 489-6965**



CABOT-EPA 007207

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

June 7, 2010


James Pinta  
URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

Date Sampled: 04-Jun-10  
Time Sampled: 15:30  
Date Received: 04-Jun-10  
Time Received: 19:40  
Sampled by: B. Rieder/Quantum

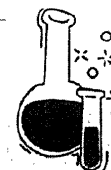
Location: [REDACTED] - D.G Sump 2

[REDACTED] 2H/4H

PARAMETER	RESULT	UNITS	METHOD	ANALYZED	TIME
Total Coliform	Confluent Growth		SM <sub>20</sub> 9222 B	04-Jun-10	20:00
Fecal Coliform	Confluent Growth		SM <sub>20</sub> 9222 B	04-Jun-10	20:00
Fecal Coliform	4000	cfu/ 100 ml	SM <sub>20</sub> 9222 D	04-Jun-10	19:50
Fecal Strep	1320	cfu/ 100 ml	SM <sub>20</sub> 9230 C	04-Jun-10	20:10

  
Virgil Runco  
Microbiology Supervisor

DICKSON CITY INDUSTRIAL PARK  
824 ENTERPRISE STREET  
DICKSON CITY, PA 18519-1593  
PHONE: (570) 489-6964 FAX: (570) 489-6965



CABOT-EPA 007208

DIM0228441

DIM0227454



# CHAIN OF CUSTODY

## Special Requirements

PA DEP ASTM TCLP

RCRA UST FORM U

FORM 43

Other \_\_\_\_\_

pH \_\_\_\_\_ Temp \_\_\_\_\_

LAB USE: \_\_\_\_\_ NORMAL

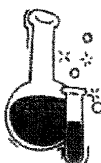
# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

Dickson City Industrial Park

824 Enterprise Street

Dickson City, PA 16619-1593



DW - Drinking Water

SL - Sludge

GW - Ground Water

SO - Soil

SW - Surface Water

HZ - Hazardous

WW - Waste Water

Other \_\_\_\_\_

Phone: (570) 489-6964

Page \_\_\_\_\_ of \_\_\_\_\_

Fax: (570) 489-6965

Report to: ORS

Contact: James Pinta

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Bill to: \_\_\_\_\_

PROJECT: Hibbard 2H/4H

Location Sample Description	Date Sampled	Time Sampled	Matrix	# of Cont / Size	PRES / Cont Type	Grab / Composite	ANALYSIS TO BE PERFORMED										Invoice #
							Total Coliform	Fecal Coliform	Fecal Strept								
<u>-H.D Well 2</u>	<u>6-4-10</u>	<u>1510</u>	<u>DW</u>	<u>3 120 ml</u>	<u>SWTH</u>	<u>P</u>	<u>G</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>093-060410</u>
<u>-D.G Sump 2</u>	<u>6-4-10</u>	<u>1530</u>	<u>SW</u>	<u>3 120 ml</u>	<u>SWTH</u>	<u>P</u>	<u>G</u>	<u>X</u>	<u>X</u>	<u>X</u>							<u>094-060410</u>

Comments:

B. Rieder/Quantum

Intact Containers ☒ N

Within Holding Times ☒ N

COC Complete ☒ N

Labels Match COC ☒ N

Properly Preserved ☒ N

Rec'd on ice ☒ N

Received By: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received By: \_\_\_\_\_

Date: 6-4-10

Time: 1530

Received By: \_\_\_\_\_

Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received By: \_\_\_\_\_

Date: 6/4/10

Time: 1940

CABOT-EPA 007209

DIM0227454

DIM0228442

# CHAIN OF CUSTODY

## Special Requirements

PA DEP ASTM TO P  
BCRA JST FORM U  
FORM 43

Other \_\_\_\_\_  
pH \_\_\_\_\_ Temp \_\_\_\_\_

TAE RUSH 3 Dy NORMAL

# QUANTUM

ANALYTICAL & ENVIRONMENTAL LABORATORIES, INC.

Dickson City Industrial Park  
824 Enterprise Street  
Dickson City, PA 18519-1593



DW - Drinking Water SL - Sludge  
GW - Ground Water SO - Soil  
SW - Surface Water HZ - Hazardous  
WW - Waste Water Other:

Phone: (570) 489-6954

Page 1 of 1

Fax: (570) 489-6955

Report to: James Pinter URS Corp

501 Holiday Drive Suite 300

Pittsburgh PA 15220

Contact: Jim Pinter

Phone 412-583-4700 Fax 412-583-4700

Bill to: David Testa

URS Corp / 501 Holiday Drive Suite 300  
Pittsburgh PA 15220

## PROJECT:

Location Sample Description	Date Sampled	Time Sampled	Matrix	# of Cont / Size	PRSV / Cont Type	Grab / Composite	ANALYSIS TO BE PERFORMED	Machine #
MW-1	6-3-10	1430	GW	3	P	G	X TOXIC METALS X PCBs X PESTICIDES	032-060310
MW-2	6-3-10	1445	GW	3	P	G	X TOXIC METALS X PCBs X PESTICIDES	033
MW-3	6-3-10	1455	GW	3	P	G	X TOXIC METALS X PCBs X PESTICIDES	034

## Comments:

Submitted: Amara Dwyer Date: 6-3-10 Type: MW

Received By: Ralph Polach Date: 6-3-10

Intact Containers ☒ Y ☐ N Within Holding Times ☒ Y ☐ N

COC Complete ☒ Y ☐ N Labels Match COC ☒ Y ☐ N

Properly Preserved ☒ Y ☐ N Rec'd on Ice ☒ Y ☐ N

CABOT-EPA 007210

DIM0227454

DIM0228443



**APPENDIX D**

CABOT-EPA 007212

## **APPENDIX D**

### **Disposal Documentation – Solids from the Reserve Pit and Water**

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-390Carrier's Name: SRWR

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-21-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assignee.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier VCB Car or Vehicle Initials and No 011/T29

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		<u>                    #3</u>			
APP#		51401			
API#		37-115-20221			
Truck#		<u>011/T29</u>			
Plate#		<u>PT2011P</u>			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, M. W. Anthony3-21-10

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

\*Shipper's imprint in lieu of stamp, not a part of bill of lading, approved by the Interstate Commerce Commission.

CABOT-EPA 007214

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-391Carrier's Name: J. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-22-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury generation


On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #3			
AFE#		51401			
API#		37-115-20221			
Truck#		105			
Plate#		AE-72215			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

CABOT-EPA 007215

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-394Carrier's Name: SRWR

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-22-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO ESSESunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination XXXXold Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier VCB Car or Vehicle Initials and No. 011/T29

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To Be Prepaid"

Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		<del>XXXXXX</del> #3			
AFE#		51401			
API#		37-155-20221			
Truck#		011/T29			
Plate#		AT201P			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Agent post-office  
of shipper, \_\_\_\_\_

Per \_\_\_\_\_



1

CABOT-EPA 007216



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-395Carrier's Name: C. Haer Trucking / SRWR

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-25-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
"The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges."

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

No. Packages	H M	Street	City	State
1		load water	5000	cal
		#3		
AFE#		514E01		
API#		37-115-20221		
Truck#		105		
Plate#		AF 72215		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

1 The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
2 Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007217

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-396Carrier's Name: C. Haer Trucking /SRWR Josh HAER

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-28-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
 \_\_\_\_\_ County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

		Street	City	State	
#	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		<div></div> # 3			
AFE#		51401			
API#		37-115-20221			
Truck#		105			
Plate#		AF72215			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
 (Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.)

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office  
 address of shipper,

Per \_\_\_\_\_

CABOT-EPA 007218

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC403Carrier's Name: PSC Environmental

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-23-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 N. Penn Rd. Street Haffield City \_\_\_\_\_County PA State 19440 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be prepaid."

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5240 5000	gal	
		#3			
AFE#		51401			
APT#		37-115-20221			
TRUCK#		64			
Plate#		AF 16419			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

3-23-10  
Shipper, Per \_\_\_\_\_

Agent

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

1 The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

2 Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007219

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. PSC404Carrier's Name: PSC Environmental

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinwiddie Twp. (Date) 3-23-10 FROM ASRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 2773 N. Penn Rd. Street Hatfield City \_\_\_\_\_  
County PA State 19440 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Pages	H.M.	Street	City	State
1		load water		
		#3		
AFE#		51401		
API#		37-115-20221		
Truck #		03566		
Plate#		AP 16919		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office  
address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

CABOT-EPA 007220

THIS ORDER IS SUBJECT TO THE REGISTRY ACT, 1906, AS AMENDED, AND THE CARBON, AND RETAINED BY THE AGENT.

Shipper's No. PSC405

Carrier's Name: SRWR

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-23-10 FROM SRWR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood to mean any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway, or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

-Destination 2773 N. Penn Rd. Street Hatfield City  
County PA State 19440 Zip

Route Delivery Address  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereof.)

Delivering Carrier JCB Car or Vehicle Initials and No. 011/T29

Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	5000	gal
		#3		
APB*		51401		
API*		37-115-20221		
GROUP*		011/T29		
STATUS*		AT 2011P		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Permanent post-office address of shipper,

Ang D. Puzan 3/23/10

2



Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To Be Prepaid."

Received \$ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The fibre containers used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other require of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

CABOT-EPA 007221

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. BSC-360Carrier's Name: Elk River Excavating

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp (Date) 3-23-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operation, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address★ \_\_\_\_\_

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		#3			
AFE#		51401			
API#		37-115-20221			
Truck#		007			
Plate#		BA519244			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Wm Howell 3-23-10 Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007222

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-361Carrier's Name: SRWR

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-24-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement.  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	5000	gal
		#3		
AFE#		51352		
API#		37-115-20221		
Truck#		#103 NINE		
Plate#		Y4E B895		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

CABOT-EPA 007223

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2223Carrier's Name: Dively Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-24-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johsntwon Regionla Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johsntown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be  
Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here "To be prepaid."

yes	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000 <del>4000</del>	gal	
		<u>#1</u>			
AFE#		51243			
API#		37-115-20150			
Truck#					
plates		Truck took load without paperwork.			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper: \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007224



UNITED STATES BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2224

Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Twp. (Date) 3-24-10 FROM SRWP/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johsntown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johsntown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address ★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		<u>#1</u>		
AFE#		51243		
API#		37-115-20150		
Truck#		BW-4		
PLate#		YYL 0548		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

per Barron Trucking Agent  
Per Ralph H. Little

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The above containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

1

CABOT-EPA 007225

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2225Carrier's Name: K & L Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-24-10 FROM SRWR?Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15905 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

		Street	City	State	
s	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4250 <del>4250</del>	gal	
		<div></div> #1			
AFE#		51253			
API#		37-115-20150			
Truck#		7			
PLate#		YRC7283			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Blain Treasura Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor) \_\_\_\_\_

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification"

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007226

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2226Carrier's Name: K & L Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-24-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No Packages	H.M.	Street	City	State	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1					load water	<del>1200</del> 1200	gal	
					#1			
AFE#		51243						
API#		37-115-20150						
Truck#		1						
Plate#		YST5566						

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ in apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007227

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. **USE704**Carrier's Name: **US Environmental****FOR PSC ENVIRONMENTAL**US Bill # **113891**  
Carrier's No. **113891**

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at **Dimock Twp.** (Date) **3-24-10** FROM **SRWR/Cabot**

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, at to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party as any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO **PHILLIPS SERVICES CO.** (Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination **2869 SAINTSOME RD** City **LA**  
County **HATFIELD** State **PA** Zip **19440**  
Route **Delivery Address\***Delivering Carrier **Car or Vehicle Initials and No.**Collect on Delivery \$ **And Remit to**

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ **to apply in prepayment of the charges on the property described hereon.**

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Street	Kind of Package, Description of Articles, Special Marks, and Exceptions	City	State	Weight (Subject to Correction)	Class or Rate	Check Column
1			load water			6300	gal	
			#1					
AFE#		51243		ORNL # 1101172				
API#		37-115-20150		BOL # 213432-10				
Truck#		620/668						
Plate#		AT 8782H						

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

1

CABOT-EPA 007228

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. USE705Carrier's Name: US EnvironmentalCarrier's No. 113383

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinock Twp. (Date) 3-24-10 FROM SRWRD? Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classifications or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PHILLIPS SERVICES

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination SAVINGSTONE DR. Street 2869 City PA.County HATFIELD State PA. Zip 19440Route SAVINGSTONE DR. Delivery Address SAVINGSTONE DR.

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier SAVINGSTONE DR. Car or Vehicle Initials and No. SAVINGSTONE DR.Collect on Delivery \$ SAVINGSTONE DR. And Remit to SAVINGSTONE DR.

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here: "To be Prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300	gal	
		1			
AFE#		51243			
API#		37-115-20150			
Truck#		670/669			
Plate#		PT 8782H			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

1

CABOT-EPA 007229

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

233 715-10

Shipper's No. PSC406

Carrier's Name: ~~RRSRWR~~

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-24-10 FROM SRWRc/abot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

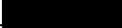
(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1

Destination 28773 N. Penn Rd. Street Hatfield City \_\_\_\_\_  
County PA State 19440 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier VEB Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

		Street	City	State	
s	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #1			
AFE#		51243			
API#		37-115-20150			
Truck#		011/T29			
Plate#		PT 2011P			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of this property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Permanent post-office address of shipper.

Shipper Per

By [Signature] 3-24-10

Per

Agent

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced.

\$ \_\_\_\_\_  
† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007230

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-397Carrier's Name: C. H. H. Trucking Josh HAER

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 3-25-10 FROM SRWR/Cabot

This property described below, is apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address ★ \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To Be Prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		#3			
		51401			
		37-115-20221			
		105			
		AF72215			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per [Signature]

CABOT-EPA 007231

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2227Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-25-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1

Destination 241 Asphalt Rd. Street Johnstown CityCounty PA State 15906 Zip

Route \_\_\_\_\_ Delivery Address★

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		██████████ #1			
AFE#		51243			
API#		37-115-20150			
Truck#		125			
PLATE#		7&P3184			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

By [Signature] Shipper, Per \_\_\_\_\_ Agent

Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here. "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

1

CABOT-EPA 007232



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2228Carrier's Name: Cannal Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-25-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereof.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

		Street	City	State	
No. Packages	HM	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		<div></div> #1			
AFE#		51243			
API#		37-115-20150			
Truck#		01			
PLate#		AE35004			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here. "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced. \_\_\_\_\_

\$ \_\_\_\_\_  
† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007233

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2229Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-25-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

	Street	City	State
1	load water		
	██████████ #1		
API#	51342		
API#	37-115-20150		
Truck#	701		
Plate#	ABG-2		

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

C. O. D. Charges to be Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here "To be Prepaid"

Received \$ \_\_\_\_\_ in apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

1 "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

2 Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007234

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2230Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinwiddie Twp. (Date) 3-25-10 FROM SBWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, act forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johsntown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

Destination 2481 Asphalt Rd. Street Johsntown City  
County PA State 15906 ZipRoute \_\_\_\_\_ Delivery Address★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		██████ #1			
AFS#		51342			
API#		37-115-20150			
Truck#		B16 B103T			
Plate#		AF73454 XF79960			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

26 *[Signature]* Shipper, Per \_\_\_\_\_ Agent  
Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid)

Charges Advanced:

\$ \_\_\_\_\_

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint is in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission

CABOT-EPA 007235

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2231Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-25-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johsntown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johsntown City \_\_\_\_\_County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery hereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		1			
AE#		51243			
API#		37-115-20150			
Truck#		B17 DW20			
Plate#		YR1215 PT6202X			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shopper Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor) \_\_\_\_\_

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier \_\_\_\_\_

Per: \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced \_\_\_\_\_

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

† Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007236

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC407Carrier's Name: US Environmental For PSCCarrier's No. 112329

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Dimock Twp. (Date) 3-25-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 2773 N. Penn Rd. R Street Hatfield City \_\_\_\_\_  
County PA State 19440 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here: "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water		
		#1		
AFE#		51243		
API#		37-155-20150		
Truck#		620/669		
Plate#		AT 878 JH		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office  
address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007237

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC408Carrier's Name: US Environmental FOR PSC ENV.Carrier's No. 117330

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinwiddie Twp. (Date) 3-25-10 FROM SEWR/CABOT

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO PSC Environmental

(Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 N Penn Rd. Street Hatfield City \_\_\_\_\_County PA State 19440 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300	gla	
		#1			
FE#		51243	PSC BOL # 232405-10		
API#		37-115-20150	ORDER # 1114036		
Truck#		670/668			
Plate#		AT 8783H			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of this property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent of Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007238

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. PSC409Carrier's Name: SRWR

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-25-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 N. Penn Rd. Street Hatfield City \_\_\_\_\_  
County PA State 19440 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)Delivering Carrier VCB Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		<u>51243</u>			
		<u>37-115-20150</u>			
		<u>011/T29</u>			
		<u>PT 2010</u>			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Mary D. Purpura Shipper, Per 3/25/10

Permanent post-office address of shipper.

Per \_\_\_\_\_

Agent

CABOT-EPA 007239

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-395Carrier's Name: C-Haer Trucking / SRWR

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-25-10 FROM SRWR/Cabot

the property described below, an apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_


Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #3			
AFE#		514XX01			
API#		37-115-20221			
Truck#		105			
Plate#		AE 72215			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

\_\_\_\_\_  
Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_  
† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission

CABOT-EPA 007240



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-396Carrier's Name: C. Haer Trucking / SRWR Josh HAER

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinock Twp. (Date) 3-25-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address★

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	5000	gal
		■■■■■ 1/3		
AFE#		51401		
API#		37-115-20221		
Truck#		105		
Plate#		AF72215		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

\*The blue containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

CABOT-EPA 007241

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2234Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at DimockT wp. (Date) 3-26-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		<u>#1</u>			
AFE#		51243			
API#		37-115-20150			
Truck#		125			
Plate#		XP3184			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid)

Charges Advanced:

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

† Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

CABOT-EPA 007242

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2235Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-26-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johsntown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

Destination 241 Asphalt Rd. Street Johsntown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignment, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

No. Packages	H. M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	4620	gal
		51243		
		37-115-20150		
		01		
		AE 35004		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

CABOT-EPA 007243

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2236Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-26-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johsnton Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

Destination 241 Asphalt Rd. Street Johsntown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street		City	State		
a	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		<div></div> #1			
AFE#		51243			
API#		37-115-20150			
Truck#					
Plate#					

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.) \_\_\_\_\_

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced.

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007244

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2237Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-26-10 FROM SPWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnston Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H. M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		#1			
AFE#		51243			
API#		37-115-20150			
Truck#		B17 BURT			
Plate#		YURIAH PT 62031			

\*If the shipment moves from the port of a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

\_\_\_\_\_  
Shipper, Per \_\_\_\_\_

Agent

Permanent post-office  
address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007245

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2238Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-26-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which govern the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

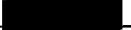
Consigned TO Johsntown Retgional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johsntwon City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

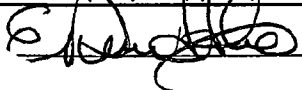
Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

ss	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	cal	
		 #1			
AFE#		51243			
API#		37-115-20150			
Truck#		B-6 & BCB3T			
Plate#		AF-73454 & XEB-9760PA			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_



Shipper, Per \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.)

CABOT-EPA 007246

at DimockT wp. (Date) 3-26-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination. If on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO PSC Environmental  
On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.  
 Destination 2773 N. Penn Rd. Street Hatfield City \_\_\_\_\_  
 County PA State 19440 Zip \_\_\_\_\_  
 Route \_\_\_\_\_ Delivery Address★ \_\_\_\_\_  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat)  
 Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_  
 Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipper is to be delivered to the consignee without receipt on the consignor, the consignor shall sign following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

**C. O. D. Charges to be**  
 Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water		
		<u>#1</u>		
AFE#		51243		
API#		37-115-20150		
Truck#				
Plate#				

\*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
 Charges Advanced

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification"  
 ‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shinner Per

Ad

CABOT-EPA 007247

at Dimock Twp. (Date) 3-26-10 FROM SRWR/Cabot  
the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)  
C. Joint TO PSC Environmental  
On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.  
Destination 2773 N. Penn Rd. Street Hatfield City \_\_\_\_\_  
County PA State 19440 Zip \_\_\_\_\_  
Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariff provides for delivery thereat.)  
Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_  
Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		<u>#1</u>			
AFE#		51243			
API#		37-115-20150			
Truck#		335-1120			
Plate#		PUG 9971 (OH)			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be  
Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced.

\$ \_\_\_\_\_

\*The five containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

\*Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission

Shinner Per

Agent

CABOT-EPA 007248



at DimocNT wp. (Date) 3-26-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination if it mutually agreed, as to each carrier of all or any of said property over all or any portion of said route in destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2733 N. Penn Rd. Street Hatfield City

County PA State 19440 Zip

Route \_\_\_\_\_ Delivery Address★

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier VGB Car or Vehicle Initials and No. 29

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this sh' is to be delivered to the consignee without n on the consignor, the consignor shall sig following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here "To be Prepaid."

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000H	gal	
		██████ #1			
AFE#		51243			
API#		37-115-20150			
Truck #		011/T29			
Plate #		AT 201H			

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.)

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

A<sub>1</sub>

CABOT-EPA 007249





## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2239Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-27-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Johsntown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

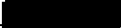
Destination 241 Asphalt Rd Street Johnston City \_\_\_\_\_County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street		City	State		
Package	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		 #1			
AFE#		51243			
API#		37-115-20150			
Truck#		01			
Plate#		HE 35024			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if the shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.) \_\_\_\_\_

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's stamp in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007252

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2240Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-27-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_


Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here "To be Prepaid"

No. Packages	H.M.	Street	Kind of Package, Description of Articles, Special Marks, and Exceptions	City	State	Weight (Subject to Correction)	Class or Rate	Check Column
1			load water			4620	gal	
			 #1					
APR#			51243					
ADT#			37-115-20150					
Truck#			201					
Plate#			AKS					

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

\*If the shipment moves between two ports by a carrier by water the law requires that the bill of lading shall state whether it is carrier's or shipper's weight  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007253

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2241Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-27-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Sluight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnston Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Pages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	4620	gMal
		51243		
		37-115-20150		
		Truck# 135		
		Plate# CP 3184		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint is here of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.)

CABOT-EPA 007254

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2242Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-27-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if the shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	4620	gal
		#1		
AFE#		51243		
API#		37-115-20150		
Truck#		BW-3		
Plate#		YYB 3789		

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Barron Trucking AgentPer Ralph Hottle

Permanent post-office address of shipper: \_\_\_\_\_

1

CABOT-EPA 007255

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2243Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimeck Twp. (Date) 3-27-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johsntown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johsntown City \_\_\_\_\_County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Freight	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	4620	gal
		#1		
AFE#		51243		
API#		37-115-20150		
Truck#		BW-6		
Plate#		YYL-0553		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Barron Trucking Agent  
Per Doug Miller

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor) \_\_\_\_\_

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

1 The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a part of bill of lading, approved by the Interstate Commerce Commission.

CABOT-EPA 007256



THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

Shipper's No. 50-345

Carrier's Name: C. O. D. Inc.

Carrier's No. 1000

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Chicago, Ill. (Date) 3-27-10 FROM SEMI-CAR

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO General Generation (Full or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination San Francisco, Cal. Street San Francisco, Cal. City San Francisco, Cal.  
County San Francisco State California Zip 94102

Route San Francisco, Cal. Delivery Address San Francisco, Cal.  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier C. O. D. Inc. Car or Vehicle Initials and No. 1000

Collect on Delivery \$ 10.00 And Remit to San Francisco, Cal.

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other legal charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

Charges are to be prepaid, write or stamp hereon to be prepaid.

Received \$ 10.00 to apply in payment of the charges on the property described hereon.

Agent or Customer

For (The signature here acknowledges only the amount prepaid)

Charges Advanced.

\$

The future containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

10.00 Shipper, Per 10.00

Permanent post-office address of shipper,

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

2

CABOT-EPA 007257

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 3G-399Carrier's Name: C. K&H Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-27-10 FROM SPWP/Cabot

the property described below, is apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filed in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

es	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		41			
API#		51243			
API#		37-115-20150			
TRUCK#		105			
Plate#		AF72215			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per 3G 200 CT-10-218 Agent \_\_\_\_\_  
Permanent post-office address of shipper, \_\_\_\_\_ Per [Signature]

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_  
\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007258

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2244Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-28-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)


Consigned TO Johsntown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 XXXXXNAsphalt Rd. Street Johsntown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	4620	gal
		 #1		
AFE#		51243		
API#		37-115-20150		
Truck#		123		
Plate#		WXP3184		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE: —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007259

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2245Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-28-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
(\* To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street		City	State		
pos	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		<div></div> #1			
AFE#		51243			
API#		37-115-20150			
Truck#		04			
Plate#		AE 3500 G			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

awm Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's stamp in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.)

CABOT-EPA 007260

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2246Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-28-10 FROM SEWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johsntown Regional Sewage

On Collected on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Aspanit Rd. Street Johsntown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	4620	gal
		██████████ #1		
AFE#		51243		
API#		37-115-20150		
Truck#		01		
Plate#		AE35204		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per W R

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007261

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2247Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-28-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination (it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time increased in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading, set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johsntown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johsntown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_


Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here. "To be Prepaid"

Street		City	State		
F	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Corrections)	Class or Rate	Check Column
1		load water	4620	gal	
		 #1			
AFE#		51243			
API#		37-115-20150			
Truck#		B17 BW 21			
Plate#		4R1715 PT62034			

\*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office  
address of shipper.

Per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply  
in prepayment of the charges on the property  
described hereon

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only  
the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's Impner to be stamped; not a part of bill of lading approved by the Interstate Commerce Commission.

Agent

1

CABOT-EPA 007262

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2248Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-28-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "OOD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

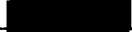
Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor) \_\_\_\_\_

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

No. Packages	H. M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		 #1			
AFE#		51243			
API#		37-115-20150			
Truck#		BW-3			
Plate#		YYB 3789 K			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

*Barron Trucking*  
*Ralph Hottle*  
Agent

CABOT-EPA 007263

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-400Carrier's Name: XXXXXXC. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-28-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State XX17375 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

		Street	City	State	
No.	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000 <del>XXXX</del>	cal	
		<div></div> #1			
AFE#		51243X			
API#		37-115-20150			
Truck#		#103 AIVE			
Plate#		YYE8B95			

\*If the shipment moves between two parts by a carrier, the law requires it, the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

\_\_\_\_\_  
Shipper, Per \_\_\_\_\_Permanent post-office  
address of shipper, Bg 2ndCT-10-219

Per \_\_\_\_\_

Agent

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The five containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007264



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-401Carrier's Name: C. H. Trucking Tosh HAER

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-28-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

No. Packages	H.M.	Street	City	State
1		load water		
		<u>51243</u>		
		<u>37-115-20150</u>		
		<u>105</u>		
		<u>AF72215</u>		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated: \_\_\_\_\_

\_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

CABOT-EPA 007265

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2249

Carrier's Name: Cannel Trucking

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimockt wp. (Date) 3-29-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, counted, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City  
County PA State 15906 ZipRoute Delivery Address★  
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

	Street	City	State
1	load water	4620	gal
AFE#	51243		
API#	37-115-20150		
Truck#	125		
Plate#	YXP 3184		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Permanent post-office  
address of shipper,

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$

1. The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

2. Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007266

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2250Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinock Two (Date) 3-28-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this consignment as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agent.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

No. Packages	H.M.	Street	City	State
1		load water	4620	gal
		#1		
API#		51243		
API#		37-115-20150		
Truck#		38		
Plate#		AP		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007267

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2251Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Twp. (Date) 3-29-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address★ \_\_\_\_\_

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier


Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

		Street	City	State	
Qty	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		 #1			
AFE#		51243			
API#		37-115-20150			
Truck#		01			
Plate#		AEB 5 004			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007268

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2252Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-29-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johsntown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

Destination 241 Asphat1Rd. Street Johsntown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_


Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid"

No. Packages	HM	Street	City	State
1		load water		
		 #1		
AFE#		51243		
API#		37-115-20150		
Truck#		BK & BW3T		
Plate#		AF 73 454PA / XFJ-9965		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

 Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Agent

1

CABOT-EPA 007269

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2253Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimockt wp. (Date) 3-29-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

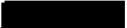
On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
 \_\_\_\_\_ County PA State 15905 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
 (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street			City	State	
18	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		 <sup>4</sup> / <sub>1</sub>			
AFD#		51243			
API#		37-115-20150			
Truck#		BW-3			
Plate#		YTB 3789 Pa			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Ralph Hottel Shipper, Per \_\_\_\_\_  
 \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per /

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp, not a part of bill of lading, approved by the Interstate Commerce Commission

Agent

CABOT-EPA 007270

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-402Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-29-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route in destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

 Destination Old Trail Rd. Street Snamokin Dam City \_\_\_\_\_  
 County PA State 17876 Zip \_\_\_\_\_

 Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
 (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

 Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H. M.	Street	City	State
1		load water	5000	gal
		#1		
AFE#		51243		
API#		37-115-20150		
Truck#		#03 Mine		
Plate#		44EE895		

 \*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

 Per \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

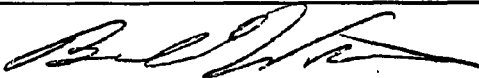
‡Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

 Permanent post-office  
 address of shipper, \_\_\_\_\_

Per \_\_\_\_\_



1

CABOT-EPA 007271

THIS SHIPPING ORDER must be legibly filled in, in ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. 32-400

Carrier's Name: T HASK  
RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

Carrier's No. \_\_\_\_\_

at \_\_\_\_\_ (Date) 1-15-51 FROM SEATTLE, WA  
the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO W. H. HASK

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination SEATTLE, WA Street 105 City SEATTLE, WA  
County \_\_\_\_\_ State WA Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

	Street	City	State
1	105	SEATTLE	WA
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99			
100			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.  
DENNY HAYKOW

2

CABOT-EPA 007272





## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC414Carrier's Name: PSC Environmental

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of lading.

at Dimock Twp. (Date) 3-29-10 FROM SRWR? Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 N. Penn Rd. Street Natfield City \_\_\_\_\_  
County PA State 19440 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street		City		State	
H.M.		Kind of Package, Description of Articles, Special Marks, and Exceptions		Weight (Subject to Correction)	
1		load water		5000 gal	
AFB#		51243		5229	
API#		37-115-20150			
Truck#		335-1230			
Plate#		PVG-9971(OH)			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper.

Per

3-29-10

Agent

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007274

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC415Carrier's Name: SRWR/XXXXX

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 3-29-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO PSC Environmetnal

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec 1.

Destination 2773 N. Penn Rd. Street Hatfield City \_\_\_\_\_  
County PA State 19440 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier VGB Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	5000	gal
		#1		
AFE#		51243		
API#		37-115-20150		
Truck#		011/T 29		
Plate#		PT 2011P		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's Impost in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per

Agent

Permanent post-office address of shipper, \_\_\_\_\_

3-29-10

Per

1

CABOT-EPA 007275

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC48418US Bul# 110340Carrier's Name: PSC EnvironmentalUS Enviro Trans For PSCCarrier's No. PSC 23426-10

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimockt wp. (Date) XXX 3/30/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 N. Penn Rd. Street Matfield City \_\_\_\_\_  
County PA State 19440 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

AS	H.M.	Street	City	State
1		load water		
		<u>5000</u>	<u>calx</u>	
		<u>#1</u>		
AFE#		51243		
API#		37-115-20150		
Truck#		T622		
PLate#		AF 55346		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_  
1 "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."  
2 Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent

Permanent post-office  
address of shipper, \_\_\_\_\_Per Michael C. Kelly

1

CABOT-EPA 007276

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC 419Vs B&F # 115553Carrier's No. PSC 332402-10Carrier's Name: PSC Environmental Trms V's Environmental

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Disock Twp. (Date) 3-30-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 N. Penn Rd. Street Hatfield CityCounty PA State 19440 Zip

Route \_\_\_\_\_ Delivery Address\*

(A To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	<u>6300</u> <u>5000</u>	gal	
		<u>#1</u>			
APF#		<u>51243</u>			
APT#		<u>37-115-20150</u>			
Truck#		<u>1622</u>			
Plate#		<u>AF55386</u>			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_  
† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

† Shipper's stamp in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission

Permanent post-office address of shipper, \_\_\_\_\_ Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007277

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC4-20Carrier's Name: SRWR

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 3-30-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 2773 W. Penn Rd. Street Hatfield City \_\_\_\_\_  
County PA State 198440 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier VCB Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

s	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		<u>#1</u>			
FE#		51243			
PI#		37-115-20150			
truck#		011/T29			
late#		AT2011P			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per 3/30/10  
Permanent post-office address of shipper, 1

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Officer

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission

CABOT-EPA 007278

## STRAIGHT BILL OF LADING- SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2327Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at DIMOCK TWP. (Date) 4-XX14-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown CityCounty PA State 15906 Zip

Route \_\_\_\_\_ Delivery Address ★

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		71			
APR#		51243			
API#		37-115-201850			
Truck#		01			
Plate#		PE35004			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

\_\_\_\_\_ Shipper, Per \_\_\_\_\_ Agent  
Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

1 "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification."

2 Shipper's receipt in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007279

.. BILL OF LADING- SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2328

Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinwiddie Twp. (Date) 4-14-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage


On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County ESSEX State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address ★  
(\* To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street		City	State		
as	HM	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		 #1			
ARB#		51243			
ADIN		37-115-20150			
Truck#		Jerl			
Plate#		AR5762GR			

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_  
1 The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
2 Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007280



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2352Carrier's Name: Canel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 84-21-10 FROM SRWR/Cabot


the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Johnstown Regional Sewage (Mail or street address for purposes of notification only.)  
On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.  
Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_  
Route \_\_\_\_\_ Delivery Address ★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		 #1			
APL#		51243			
API#		37-115-20150			
TRUCK#		01			
Plated		AE 38004			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

\_\_\_\_\_  
Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of consignor.)

C. O. D. Charges to be  
Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write  
stamp here: "To be Prepaid"

Received \$ \_\_\_\_\_ to apply  
in payment of the charges on the property  
described hereon

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only  
the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification

‡Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007281

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2363Carrier's Name: Cannal Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 4-21-10 FROM SRWR?Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO JEAN Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

ages	H. M.	Street	City	State
1		load water		
		#1		
355#		51243		
API#		37-115-201150		
TRUCK#		125		
plates		YX P3184		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanently post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_  
†The first containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

‡Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007282

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2364Carrier's Name: Cannal Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-21-10 FROM SEWR/CABOT

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphatl Rd. Street Johnstown City \_\_\_\_\_County PA State 15906 Zip \_\_\_\_\_


Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		 1			
AE34		51243			
API4		37-115-20150			
Truck#		301			
Plate#		AE52820			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Agent \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee) \_\_\_\_\_

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced \_\_\_\_\_

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007283

THIS SHIPPING ORDER must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

Shipper's No. 86-466

Carrier's Name: Advantage Mail Service

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at 1100 10th St (Date) 4-27-61 FROM SENA/ALBANY

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and despatched as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agree to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Superior Corporation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

-Destination 1100 10th St Street 1100 10th St City ALBANY  
County FR State NY Zip 12206

Route \_\_\_\_\_ Delivery Address 1100 10th St  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Packages	HM	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		2000 10th St	2000	200	
		██████████			
100		50243			
100		17-115-2015			
100		17-115-2015			
100		17-115-2015			
100		17-115-2015			

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be  
Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

\*The five containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a charter by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

2

CABOT-EPA 007284

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-500Carrier's Name: US EnvironmentalCarrier's No. 96262

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp (Date) 4-21-10 FROM SRNR/Cabpt

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under this contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County \_\_\_\_\_ PA \_\_\_\_\_ State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

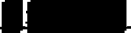
Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	16000	gal	
		 #1			
AFE#		51243			
API#		37-115-20150			
Truck#		622			
Plate#		AF55346			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per 

1

CABOT-EPA 007285

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-501Carrier's Name: US EnvironmentalCarrier's No. 96240

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of lading.

at Dimock Twp. (Date) 4-21-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Package	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000	cal	
AFB#		51243			
API#		37-115-20150			
Truck#		622			
Plate#		AF55346			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

\_\_\_\_\_, Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

\*The fibre container used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007286

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. USE716Carrier's Name: US EnvironmentalCarrier's No. 45E B-1 # 107644

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinocket MO. (Date) 4-21-10 FROM SRWR/CABOT

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Eureka Resources

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 253 WEST 4TH ST Street PA City Williamsport  
County PA State PA Zip Route  Delivery Address   
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier  Car or Vehicle Initials and No. Collect on Delivery \$  And Remit to 

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be  
Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water		
API#		51243		
API#		37-115-20150		
Truck#		618		
Plate#		AF 68829		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Per

Permanent post-office  
address of shipper,

Received \$  to apply  
in prepayment of the charges on the property  
described hereon.

Agent or Cashier

Per   
(The signature here acknowledges only  
the amount prepaid.)

Charges Advanced:

\$

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

† Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Sumner G. Kelly Agent

1

CABOT-EPA 007287

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC43277Carrier's Name: US Environmental EPA ABLCarrier's No. 107031

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dincock Twp. (Date) 4-21-10 FROM SEWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 N. Penn Expd. Street Hatfield City  
County PA State 17875 ZipRoute \_\_\_\_\_ Delivery Address\*  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street			City	State	
100 Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300 <del>6200</del>	gal	
		■ ■ ■ ■ #1			
AEF#		51243	ABL MOL #	249/50-10	
API#		37-115-20150	ORRBL #	1128/30	
Truck#		<del>600</del> 670/669			
Plate#		<del>AT8732H</del> AT8732H			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper.

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

† "The store containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

† Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007288



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC4078PSC Bui # 291354Carrier's No. US E Bui # 107024Carrier's Name: US Environmental

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 4-21-10 FROM ERWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO PSC environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 n. Penn Rd. Street Hatfield CityCounty PA State 19440 ZipRoute \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_


Subject to Section 7 of conditions, if the shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300	gal	
		 #1			
AFED		51243			
APIW		37-115-20150			
Structure		G18			
Plate#		AF 68829			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper,

Per \_\_\_\_\_

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Agent

1

CABOT-EPA 007289

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. PSC479Carrier's Name: US. Environmental / For P-S-CCarrier's No. 07037

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinwiddie Twp. (Date) 11-4-21-10 FROM SEMP/Cabot

the property described below, in apparent good order, except as noted (consent and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 N. Penn Rd. Street Hatfield CityCounty PA State 19440 Zip

Route \_\_\_\_\_ Delivery Address★

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

1 "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

2 Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300	gal	
		#1			
AFE#		51243			
API#		37-115-20150			
Truck#		621 / PSC# 249172-10			
Plate#		XBC7420 / order # 1128630			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per Lee Wiggins

Agent

Permanent post-office address of shipper,

Per

1

CABOT-EPA 007290

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2367Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 4-22-10 FROM SRWR/Cabot

The property described below is apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its final place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party of any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purpose of notification only)

Consigned TO Johnstown Regional Sewage


On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

 Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
 \_\_\_\_\_ County PA State 15906 Zip \_\_\_\_\_

 Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
 (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

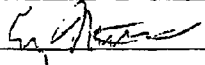
Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	4620	gal
		 #1		
AFB#		51243		
API#		37-115-201X50		
TRUCK#		125		
plate#		Y4P3184		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

 Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.) \_\_\_\_\_

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007291

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2368Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 4-22-10 FROM SPWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carload of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Aspsanti Rd. Street Johnstown City \_\_\_\_\_County PA State 15906 Zip \_\_\_\_\_


Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
		load water	4620	gal	
		 #1			
AFE#		512X43			
API#		37-115-20150			
Truck#		01			
Plate#		AF 35064			

\*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

\_\_\_\_\_  
Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

\*Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

CABOT-EPA 007292

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2369Carrier's Name: Cannal Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 4-22-10 FROM SRWR?Caboxt

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No Packages	H.M.	Street	City	State	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1					load water	4620	gal	
					#1			
AFB#		51243						
API#		37-115-20150						
TRUCK#		301						
PLate#		AF52629						

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

1. The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

\*Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

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CABOT-EPA 007293

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2370Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinock Twp. (Date) 4-22-10 FROM SENR/CABOT

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout the contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)


Consigned TO Johnstown Regional Seware

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

		Street	City	State	
No. of Pkg's	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		 #1			
AFE#		51243			
API#		37-115-20150			
Truck#		B-16 & BW3T			
Plate#		AF-73454PA & XFJ-9960Pg			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor) \_\_\_\_\_

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced \_\_\_\_\_

\$ \_\_\_\_\_

\*The five containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint is lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.)

CABOT-EPA 007294

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 23171Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-22-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Johnstown Reiconal Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphantl Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	4620	cal
		#1		
APEN		51243		
ASIN		37-115-20150		
Truck		BW-3 - 11		
plates		YYB 3789 Pa. PT-8849P R		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Raph Hottle Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

† Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

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CABOT-EPA 007295

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2372Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-23-10 FROM SRWE?Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No.	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		XXXXXXXXXX #1			
AFEA		51243			
30T4		37-115-20150			
Truck#		01			
Plate#		AE35004			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor) \_\_\_\_\_

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

1. The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission

CABOT-EPA 007296



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2373Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Twp. (Date) 4-23-10 FROM SPWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown K&E Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

Destination 241 Asphantl Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		██████████ #1			
AFE#		51243			
API#		37-115-20150			
Truck#		125			
PLate#		YXP3184			

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."  
† Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

By [Signature] Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent

1

CABOT-EPA 007297

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 22374Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of lading.

at Dimockt wp. (Date) 4-23-10 FROM BRWR?Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Johnstown Reiconals ewase

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Aspahtl Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address★ \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

s	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Connection)	Class or Rate	Check Column
1		load water	4620	gal	
		██████████ #1			
AFEA#		51243			
API#		37-115-20150			
TRUCK#		301			
Plated		AF57G2C			

\*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions if the shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee) \_\_\_\_\_

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid" \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon \_\_\_\_\_

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."  
‡ Shipper's amount in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007298

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2375Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at DIMOCK TWP. (Date) 4-23-10 FROM SPWR2CABOT

the property described below, in apparent good order except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Johnstown Regionals ewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Aspahtl Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.


(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No Packages	H.M.	Street	City	State
1		load water		
		 #1		
AFE#		51243		
API#		37-115-20150		
Truck#		B-16 BW3T		
Plate#		AF-73454 & XFJ-9960A		

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 4) of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

 Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Agent \_\_\_\_\_

Per \_\_\_\_\_

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CABOT-EPA 007299

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2376Carrier's Name: Darron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at DinocKT WD. (Date) 4-23-10 FROM SRWR?CABOT

the property described below, is apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Johnstown Regicanls ewace

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Aspartl Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

yes	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		#1			
AFSA		51243			
API#		37-115-20150			
Trucks#		BW-3-11			
Plate#		YY B 3789 - PT 88 49P R.			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Permanent post-office address of shipper, Ralph Hottle Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007300

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SC-503Carrier's Name: C. haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinwiddie Twp. (Date) 4-23-10 FROM SPWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water		
		#1		
AFEP#		51243		
API#		37-115-20150		
Truck#		GP		
Plate#		AE3504 A		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007301

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SC-511Carrier's Name: US EnvironmentalCarrier's No. 96252

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Twp. (Date) 4-23-10 FROM SRWR?Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shadokin Rd City DamCounty PA State 17876 Zip

Route \_\_\_\_\_ Delivery Address \*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street		City		State	
Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions		*Weight (Subject to Correction)	Class or Rate
1		load water		5700	cal
		[REDACTED] #1		6300	
AFE#		51243			
API#		37-115-20150			
Truck#		622			
Plate#		AF55386			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Agent \_\_\_\_\_

Per Robert C. Hall

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid)

Charges Advanced:

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

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CABOT-EPA 007302

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2377Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Two. (Date) 4-24-10 FROM SRWA/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property ever all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regionals ewage


On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphatl Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15905 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		 1			
		AFE# 51243			
		WAPI# 37-115-20150			
		Truck# GP			
		Plate# AE3500H			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Agent \_\_\_\_\_

Per C. Hean

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

\*Shipper's stamp; in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission

CABOT-EPA 007303

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2378Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinwiddie Twp. (Date) 4-24-10 FROM SRWR?Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional sewage

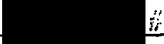
On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Aspnatl rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

SS	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4520	gal	
		 #1			
AFE#		51243			
API#		37-115-20150			
Truck#		AE35007 Pa			
Plate#					

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office  
address of shipper, \_\_\_\_\_

Agent \_\_\_\_\_

Per Alan Muller

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To Be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

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CABOT-EPA 007304



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2379Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-24-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination if it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asaphit Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
(\* To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		<u>#1</u>			
AFER		51243			
ADIA		37-115-20150			
TRUCK		<u>GP</u>			
PLATE		<u>AE35004</u>			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per C. Hearn

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CABOT-EPA 007305

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2360Carrier's Name: Sarron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Twp. (Date) 4-24-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
 \_\_\_\_\_ County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address★ \_\_\_\_\_  
 (★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein

Agent or Cashier

Per: \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission

	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	XXXXX 1	
		#1			
REF#		51243			
UPI#		37-115-20150			
Truck#		B16 BW3T			
Plate#		AF 73454 PA & XFS 9920			

\* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

\_\_\_\_\_  
 Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
 Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

1

CABOT-EPA 007306

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2381Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinock Twp. (Date) 4-24-10 FROM SEWR?Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
AFE#		51243		
API#		37-115-20150		
Truck#		BW-3 - 11		
Plate#		YYB3789, Pa PT8849P		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_ Shipper, Per Ralph Hottle \_\_\_\_\_ Agent \_\_\_\_\_  
Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ in apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007307

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG  
WXR512Carrier's Name: US EnvironmentalCarrier's No. 96254

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 4-24-10 FROM SEWERS/Cabot

the property described below, is apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Triller C. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

es	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Connection)	Class or Rate	Check Column
1		load water	6000	gal	
		██████████ #1			
AFEN		51243			
APIW		37-115-20150			
Trucks		614 UT-670			
plates		AF43511			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced.

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

Shipper, Per \_\_\_\_\_

Agent

Permanent post-office address of shipper, \_\_\_\_\_

Per Dan J. S. Gnu.

1

CABOT-EPA 007308

Shipper's No. SE-5143

Carrier's No. 9655

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-20-10 FROM SRWR2Cabot

On this day of \_\_\_\_\_, 19\_\_\_\_, \_\_\_\_\_ (Shipper) of \_\_\_\_\_ (City and State) hereby certifies that it is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury Generation

(Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City Shamokin  
County PA State 17876 Zip 17876

County \_\_\_\_\_ State \_\_\_\_\_  
 Route \_\_\_\_\_ Delivery Address ★ \_\_\_\_\_  
 (\*To be filled in only when shopper desires and governing tariffs provide for delivery thereof)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:


The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

**C. O. D.** Charges to be

☐ Shipper      ☐ Consignee

If charges are to be prepaid, write or stamp here. "To be Prepaid."

Street			City	State	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	<del>6000</del> 6000	gal	
		 #1			
AF5H		51243			
ADIA		37-115-20150			
Truck #		614 VT-670			
Plate #		AF43511 PP			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on a value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Received \$ \_\_\_\_\_ to apply  
in prepayment of the charges on the property  
described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only  
the amount prepaid.)  
Charges Advanced.

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight

†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per

Permanent post-office  
address of shipper,

Per

Agent

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2382Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimockt Wp. (Date) 4-25-10 FROM SPWR?Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regionals ewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Aspahtl Rd.Street Johnstown

City

County

PA

State

15906

Zip

Route

Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission

Street		City		State	
18	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		1			
AFER		51243			
APIS		37-115-20150			
Truck		125			
Plates		YXP3184			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per

Cy [Signature] Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper,

Per \_\_\_\_\_

Agent

1

CABOT-EPA 007310

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2383Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-25-10 FROM SRWR?Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regionals ewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The form contained used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

By [Signature] Shipper, Per \_\_\_\_\_

Agent

Permanent post-office  
address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007311

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2384Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Twp. (Date) 4-25-10 FROM SPWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Johsntown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johsntown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

		Street	City	State	
ies	HM	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	kgal	
		██████████ #1			
AFEM		51243			
API#		37-115-20150			
TRUCK#		91			
Plates		AE3 2004			

\*If the shipment moves between two ports by carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

\*Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

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CABOT-EPA 007312



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2385Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-25-10 FROM SRWR?Cabto

the property described below is apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery in said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regionals ewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15905 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★ \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H. M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4520	cal	
		#1			
AFE#		51243			
API#		37-115-20150			
Truck#		BW3-11			
plate#		TYB3789 PA PT8849P, PA			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Raph Hottle Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid)

Charges Advanced

\$ \_\_\_\_\_

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Agent

1

CABOT-EPA 007313

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2386Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Twp. (Date) 4-25-10 FROM SRWR?Cabto

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collection on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Aspahtl Rd. Street Johnstown City \_\_\_\_\_  
County \_\_\_\_\_ PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No.	gross	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1			load water	4620	cal	
			#1			
AFE#			51243			
API#			27-115-20150			
Truck#			B-16 Bw3T			
Plate#			AF73454PA & XEJ 9960PA			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent

Permanent post-office address of shipper,

Per \_\_\_\_\_

1

CABOT-EPA 007314

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-520Carrier's Name: US EnvironmentalCarrier's No. 296253

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of lading.

at Dimock Twp. (Date) 4-25-10 FROM SRWR?Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

Destination Old Trail Dr. S. Street Shamokin Dr City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★ \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here: "To Be Prepaid"

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6600	cal	
		51243			
		37-115-20150			
		622			
		AF55386			

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

\* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007315

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-521Carrier's Name: US EnvironmentalCarrier's No. 116682

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 4-25-10 FROM XXXXXX/XXXXXX/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and designed as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assign.

Consigned TO Sunbury Generation

(Mail or street address for purposes of notification only)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail R d. Street XXXXXX Shamokin Dam City PA  
County DA State 17876 ZipRoute \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street		City	State		
35	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000 488	val	
		██████████ #1			
3524		51243			
APIA		37-115-20150			
Truck #		622			
Plate #		AP55346			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007316

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2337Carrier's Name: Cannel Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-26-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regionals ewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	4620	cal
		51243		
		37-115-20150		
		01		
		AE 35004		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced \_\_\_\_\_

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007317

Shipper's No. 2398

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-26-10 FROM SRWR?Cabto

property described below, in apparent good order, except as noted (conditions and condition of contents of packages unknown), and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or within the territory of its highway operations, interested to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Air Tariff, Bill of Lading set forth (1) in the Uniform Freight Classification and effective on the date hereof, and (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.


Destination 241 Aspentl Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_

County \_\_\_\_\_ State \_\_\_\_\_  
Route \_\_\_\_\_ Delivery Address ★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4520	gal	
		 41			
AFE#		51243			
API#		37-115-20150			
Truck#		301			
Plate#		AE57G30.12			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\_\_\_\_\_  
Shipper, Per

Permanent post-office  
address of shipper.

Per

Agent

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

**C. O. D.** Charges to be

**Paid by**  
☐ Shipper      ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ \_\_\_\_\_ to apply  
in prepayment of the charges on the property  
described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only  
the amount prepaid.)  
Charges Advanced \_\_\_\_\_

\$

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2390Carrier's Name: Parron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-26-10 FROM SAKHSRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphantl Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street		City		State	
#	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		#1			
AFE#		51243			
API#		37-115-20150			
Truck#		B16 BW3T			
Plate#		AE-73454-KFJ 9960			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

† "The above consignment used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission

CABOT-EPA 007320



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2391

Carrier's Name: Barron Trucking

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-26-10 FROM SRWP2Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Aspsahl Rd. Street Johnstown City  
County PA State 15906 ZipRoute Delivery Address\*  
(\*To be filed in only when shipper desires and governing tariffs provide for delivery thereat)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 4) of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		#1			
AFER		51243			
API#		37-115-20150			
Truck#		BW-3			
Plate#		YYB3789R PT8849PR			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of this property is hereby specifically stated by the shipper to be not exceeding

per

Raph Hotte

Shipper, Per

Agent

Permanent post-office address of shipper.

Per

1

CABOT-EPA 007321

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-525Carrier's Name: US EnvironmentalCarrier's No. 116683

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinocik Twp. (Date) 4-26-10 FROM SRWR/Cabot

the property described below, is apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in its applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of lading, including those on the back thereof set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail R d. Street Shamokin D an City   
County PA State 17876 Zip Route  Delivery Address \*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier  Car or Vehicle Initials and No. Collect on Delivery \$  And Remit to 

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Charges	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	<del>6500</del> 6000	gal	
		#1			
APR		51243			
APR		37-115-20150			
TRUCK		622			
PLATE		AF55386			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per Agent Permanent post-office  
address of shipper, Per 

1

CABOT-EPA 007322

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-526Carrier's Name: US EnvironmentalCarrier's No. 116684

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinock Twp. (Date) 4-26-10 FROM SRWR?Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff, if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec 1.

Destination Old Trails Rd. Street Shamokin CityCounty PA State 17376 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

No Packages	HM	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	RR6000	gal
		51243		
		37-115-20150		
		622		
		AC55386		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office  
address of shipper,

Per

1

CABOT-EPA 007323

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

PSC ~~489~~ ~~105448~~  
Shipper's No. ~~489~~  
45 001 105448  
Carrier's No. PSC 48 249161-10

Carrier's Name: PSC Environmental

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-26-10 FROM BRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)


Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 n. Penn Rd. Street Catfield City  
County PA State 19440 ZipRoute Delivery Address  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Street		City	State		
#	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300 <del>6300</del>	gal	
		 #1			
AFER		51243			
API#		37-115-20150			
Truck#		618			
Plate#		A F 68839			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Permanent post-office  
address of shipper,

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

per  
Agent

1

CABOT-EPA 007324

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shopper's No. PSC 490Carrier's Name: US Enviornmental FOR ASLCarrier's No. 107036

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Twp. (Date) 4-26-10 FROM SEWR/Cabot

the property described below, is apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 2773 N Penn Rd. Street Hatfield CityCounty PA State 19440 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Street City State

No Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300	gal	
		<u>51243</u>			
AFEN					
API		<u>37-115-20150</u>			
Trucks		<u>670/668</u>			
Plates		<u>AT873ZH</u>			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007325

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC491Carrier's Name: US EnvironmentalUS Env Carrier's No. 105457

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of lading,

at Dincock Twp. (Date) 4-26-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TOPSC Environmetnal

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 n. Penn Rd. Street Watfield City \_\_\_\_\_  
 \_\_\_\_\_ County PA State 19440 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
 (\* To be filled in only when shipper desires and governing tariffs provide for delivery thereat )

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

	IS	H.M.	Street	City	State
			Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate
	1		load water	<u>6500</u> <u>6300</u>	gal
			<u>AF 42212 PA</u>		
			<u>51243</u>		
			<u>37-115-20150</u>		
			<u>6012 UT 661</u>		
			<u>AF 42212 PA</u>		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight  
 NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\_\_\_\_\_  
 \_\_\_\_\_ Shipper, Per \_\_\_\_\_Permanent post-office  
 address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

1. "The firm containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

"Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission"

per Gary Hammond US Env Agent

1

CABOT-EPA 007326

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC492Carrier's Name: US Environmental FOR PSCCarrier's No. 107038

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinwiddie Twp. (Date) 4-27-10 FROM SRWR?Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 N. Penn Rd. Street Hatfield City PA  
County PA State 17876 ZipRoute Delivery Address  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
1		load water		
		#1		
ASE#		51243		
API#		37-115-20150		
Truck#		620/668		
Plate#		PT 879 JH		

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of this property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Permanent post-office  
address of shipper,

Per

Agent

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid write or stamp here: "To be Prepaid."

Received \$ to apply  
in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid)

Charges Advanced:

\$

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

\*Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007327

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC493PSC Bot 249163-10Carrier's No. US E Bot #10041Carrier's Name: US Environmental

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinwiddie Twp.(Date) 4-27-10FROM SRWR/CABOT

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 2773 N. Penn Rd. Street Natfield City \_\_\_\_\_  
County PA State 17376 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_  
\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 4) of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
(Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission)

No.	Yes	H M	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1			load water	6300	gal	
			<u>51243</u>			
			<u>37-115-20150</u>			
			<u>Truck 618</u>			
			<u>Plate AF 68829</u>			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

per

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007328



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. PSC494Carrier's Name: US Environmental FOR ASCCarrier's No. 105437

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 4-27-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff, if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO PSC Environmental

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 2773 N. Penn Rd. Street Hatfield City PA County PA State 19440 ZipRoute Delivery Address (★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid"

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	EX6300	gal	
		#1			
AEF#		51243			
API#		37-115-20150			
Truck#		620/668			
Plate#		AT 878 JH			

Received \$ to apply in prepayment of the charges on the property described hereon.

Agent or Customer

Per (The signature here acknowledges only the amount prepaid)

Charges Advanced

\$

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

1

CABOT-EPA 007329

# RAIGHT BILL OF LADING— SHORT FORM

ORIGIN NOT NEGOTIABLE

Shipper's No. SG-62E

Carrier's Name: US Environmental

Carrier's No. 096712

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-12-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, at to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA State 17876 Zip PA

Route Delivery Address\* (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Convention)	Class or Rate	Check Column
1		load water	6000	gal	
		#2			
AFE#		51244			
API#		37-115-20149			
Truck#		620/468			
Plate#		AT 87BZH			

\*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper.

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007330

DIM0227454

DIM0228563

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-625Carrier's Name: US EnvironmentalCarrier's No. 096437

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-12-10 FROM SRWR/cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, at to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail R d. Street Shamokin Dam CityCounty PA State 17876 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water	6000	gal
		<del>XXXX</del> #XX2		
AFE#		5128844		
API#		37-115-20149		
Truck#		622		
PLate#		AFSS386		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office  
address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent

1

CABOT-EPA 007331

DIM0227454

DIM0228564

## TRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL NOT NEGOTIABLE

Shipper's No. SG-626Carrier's Name: US EnvirnmtnalCarrier's No. US E 801# 10990

109003

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-12-10 FROM SRWR?Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA State 17876 Zip PARoute Delivery Address\* (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
1		load water	6000	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		618		
Plate#		AF 68829		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Permanent post-office address of shipper,

Agent

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply  
in prepayment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

† "The above containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's fingerprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007332

DIM0227454

DIM0228565

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-627Carrier's Name: US EnvironmetnalCarrier's No. 96413

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-12-10 FROM SRWR/cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA County 17876 State ZipRoute Delivery Address\* (A-To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
1		load water	6000	gal
		XXXXXX51244		
AFE#		37-115-20149		
API#		620/668		
Truck#		PT 878 2H		
PLate#				

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Permanent post-office address of shipper,

Per

Agent

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse to the consignor, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced:

\$ \_\_\_\_\_  
† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
(Shipper's imprint in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.)

CABOT-EPA 007333

DIM0227454

DIM0228566

Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock TEWP (Date) 5-12-10 FROM SWSRWR/Cabot

property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), loaded, consigned, and destined as shown below, which said company (the word company being understood to mean any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion and route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County \_\_\_\_\_ PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★  
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
ARR#		51244		
APT#		37-115-20149		
Truck#		Y4R-1770		
PLATE#				

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

†Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 3 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

†The store containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's receipt in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Mud Run5-12-10

Per \_\_\_\_\_

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-629Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-12-10 FROM SSVR/cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, counted, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classifications or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail R. Co. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17376 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000	gal	
		#2			
REF#		51244			
API#		37-115-20149			
Truck#		<del>YR-1776</del> 104			
State#		YYR-1776			

If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE: — When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To Be Prepaid."

Received \$ \_\_\_\_\_ as to apply to payment of the charges on the property described herein.

Agent or Carrier

Per \_\_\_\_\_

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The blue conventions used for this shipment conform to the specifications set forth in the last edition's convention thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

\*Shipper's signature in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper:

Cottrell 05-12-2010  
2619 1

Per \_\_\_\_\_

CABOT-EPA 007335

DIM0227454

DIM0228568

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in  
Carbon, and retained by the Agent.

Shipper's No. SG-630

Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5-12-10 FROM SRWR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word "consignee" being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway, or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

-Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_

County \_\_\_\_\_ PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No.	Package	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1			load water	5000 <del>5200</del>	gal	
			#2			
AFE#			51244			
API#			37-115-20149			
Truck#			105			
Plate#			AF72215			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office  
address of shipper, UWA Street

5-12-10

Agent must detach and retain  
this Shipping Order and must sign  
the Original Bill of Lading.

CABOT-EPA 007336

DIM0227454

DIM0228569



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-631Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-12-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Geneation

On Collected Delivery Shipments, the letters "OOD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address \*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		<u>XXXX</u> #X2		
AFE#		51244		
API#		37-115-20149		
Truck#		105		
Plate#		AF 78215		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTES—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To Be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† The above containers used for this shipment, conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's Imprint is lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Permanent post-office address of shipper, Cottrell Shipper, Per \_\_\_\_\_

2619

05-12-2010

Per D

Agent

1

CABOT-EPA 007337

DIM0227454

DIM0228570

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-632Carrier's Name: US EnvironmetnalCarrier's No. 108081

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimockt wp. (Date) 5-13-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery in said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail R d. Street Shamokin Dam City PA State 17876 Zip PARoute Delivery Address\* (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000	gal	
		#2			
AFE#		51224			
API#		37-115-20149			
Truck#		620/668			
Plate#		AT 8182H			

Received \$ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

CABOT-EPA 007338

DIM0227454

DIM0228571

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-633Carrier's Name: US EnvironmentalCarrier's No. USE 176709

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at DimockT wp. (Date) 5-13-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to the usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Geeneration

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA State 17876 Zip PA County PA State 17876 Zip PARoute Delivery Address\* (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000	gal	
		#2			
AFE#		51244			
API#		37-115-20149			
Truck#		618			
Plate#		AF 68829			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Permanent post-office address of shipper,

per Samuel S. Shultz Agent  
Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ 

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007339

DIM0227454

DIM0228572

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-634Carrier's Name: US EnvironmentalCarrier's No. 096407

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock twp. (Date) 5-13-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street XXSHamokin Dam CityCounty PA State 17876 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000	gal	
		XXXXXXXXXXXX #2			
APR#		51244			
API#		37-115-20149			
Truck#		622			
Plate#		APB 55396			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent

Permanent post-office address of shipper.

Per Ther C. Smith

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The firm containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's Imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.)

CABOT-EPA 007340

DIM0227454

DIM0228573

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-635Carrier's Name: US EnvironmetnalCarrier's No. 109082

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-13-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Od Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
AFE#		51244		
API#		37-1815-20149		
Truck#		670/668		
Plate#		PT 8782H		

†If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office  
address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

†The five containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007341

DIM0227454

DIM0228574

**FRIGHT BILL OF LADING— SHORT FORM**

ORIGIN - NOT NEGOTIABLE

Shipper's No. SG0636

Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-13-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the wood company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agree to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which govern the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury XXXXXXXX Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address★ \_\_\_\_\_

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	5000	gal
		#2		
AFE#		51224		
APRI#		37-115-20149		
Truck#		105		
Plate#		AE72845		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signatory here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The five containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

M. J. D. H. S-13-10

Per DEMAYATK

1

CABOT-EPA 007342

DIM0227454

DIM0228575

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-637Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-13-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbuery Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here. "To Be Prepaid."

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	5000	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		105		
Plate#		AF722AK		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per Cottrell 05-13-2010 Agent D  
Permanent post-office address of shipper, 2619

CABOT-EPA 007343

DIM0227454

DIM0228576

Shipper's No. SG-638

Carrier's No. \_\_\_\_\_

Dinock Two; (Date) 5-13-10 FROM SATR/Cabot

(Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Route \_\_\_\_\_ Delivery Address ★ \_\_\_\_\_  
 (★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

(Signature of consignor.)

☐ Shipper      ☐ Consignee

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Agent or Cashier

**Charges Advanced:**

\$

typical moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

Agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Permanent post-office  
address of shipper.

- Shipper, Per

5-13-10

Per

Agent:



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 3C-639Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Two (Date) 5-13-10 FROM SAWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and claimed as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination if on its own railroad, water line, highway, rail, or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Through Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignor, the consignor shall sign in following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write a stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

\*The three consignment used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
		Weight (Subject to Correction)		Class or Rate
				Check Column
1		load water	5000	gal
		██████ #2		
AFB#		51244		
API#		37-115-20149		
Truck#		104		
Plate#		KYR-1776		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Ager \_\_\_\_\_

Permanent post-office address of shipper.

Cottrell 05-13-2010  
2619 1

Per \_\_\_\_\_

CABOT-EPA 007345

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-640Carrier's Name: US EnvironmentalCarrier's No. 108980

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at DimockT wp. (Date) 5-14-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (quantity and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street SAK Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★ \_\_\_\_\_  
(★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	6000	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		620/628		
Plate#		PT 9782H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office  
address of shipper, \_\_\_\_\_Agent \_\_\_\_\_  
Per Ray Wolff

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

† "The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's Impression in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007346

DIM0227454

DIM0228579

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-641Carrier's Name: US EnvironmetnalCarrier's No. 1116696

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at DimockT wp. (Date) 5-14-10 FROM SRWR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 490, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA County PA State 17876 ZipRoute Delivery Address (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	6500 6900	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		626		
Plate#		P1828111		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Permanent post-office address of shipper,

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply in payment of the charges on the property described hereon.

Agent or Cashier

For (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ 

†The fiber containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Provenza Fish

Agent

CABOT-EPA 007347

DIM0227454

DIM0228580

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-642Carrier's Name: US environmentalCarrier's No. 108981

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-14-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his consignee.

Consigned TO Sunbury Geenration

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filed in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	6000	gal
		#2		
AFE#		51224		
API#		37-115-20149		
Truck#		670/668		
Plate#		PT 8182H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's Imprest in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007348

DIM0227454

DIM0228581

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-643Carrier's Name: US Environmental

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Dimock Twp.(Date) 5-14-10FROM SRWR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd.Street Shamokin DAM

City \_\_\_\_\_

County \_\_\_\_\_

PA

State 17876

Zip \_\_\_\_\_

Route \_\_\_\_\_

Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_

Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_

And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	6000 -6300	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		626		
Plate#		P1888DH		

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

For \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's Imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per \_\_\_\_\_

Per \_\_\_\_\_

Agent

Permanent post-office address of shipper, \_\_\_\_\_

CABOT-EPA 007349

DIM0227454

DIM0228582

# STRAIGHT BILL OF LADING—SHORT FORM

ORIGIN: NOT NEGOTIABLE

Shipper's No. SG-644

Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5-14-10 FROM SRWR/Cabot

the property described below, is apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, if it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time increased in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading, set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment or (2) in the applicable motor carrier classification or tariff. If this is a motor carrier shipment, Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail R d. Street Shamokin Dam City PA State 17876 Zip

Route \_\_\_\_\_ Delivery Address \*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

**C. O. D.** Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here "To be Prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		<u>#2</u>			
AFE#		51244			
API#		37-115-20149			
Truck#		105			
Plate#		AF72815			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The above containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.)

Shipper, Per \_\_\_\_\_

Agent

Permanent post-office address of shipper, BE 2-0

Per D. ENY B. DOW

1

CABOT-EPA 007350

DIM0227454

DIM0228583

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-645Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-14-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages subseawa), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street ShamokinDAM City \_\_\_\_\_  
County \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		#2			
AFB#		51244			
API#		37-115-20149			
Truck#		105			
Plate#		AF72215			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The store containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

(Shipper's signature is lieu of stamp not a part of Bill of lading approved by the Interstate Commerce Commission.)

Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanent post-office address of shipper, 5-14-10 Per DEMY AIRTOR

CABOT-EPA 007351

DIM0227454

DIM0228584

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-645Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

DIMOCKT WP.(Date) 5-14-10FROM SRWR/Cabot

Every described below, is apparent good under, except as noted (contents and condition of contents of packages unknown, marked, consigned, and delivered as shown below, which said company (the word company being understood to mean any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway, route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time insured in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County Pa State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		██████ #2			
APR 4		51244			
APR 4		37-115-20149			
TRUCK		104			
Stack		YVR-1776			

†Highest net weight between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
—Where the rule is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, BG 200

Per \_\_\_\_\_

CABOT-EPA 007352



Shipper's No. SG-6478

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-14-10 FROM SRWR/cabot

[illegible]

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

On Collect on Delivery shipments, the terms "COD" must appear before consignee's name or address as provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin DAM City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_

County \_\_\_\_\_ State \_\_\_\_\_  
 Route \_\_\_\_\_ Delivery Address ★  
 (★ To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

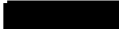
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

**C. O. D. Charges to be**

**Paid by**  
☐ Shipper      ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Street			City	State	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #2			
AFE#		51244			
API#		37-115-20149			
Truck#					
Plated#					

Received \$\_\_\_\_\_ to apply  
in prepayment of the charges on the property  
described herein.

Agent or Cashier

By \_\_\_\_\_  
(The signature here acknowledges only  
the amount prepaid.)  
Charges Advanced:

"

†The five containers used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\_\_\_\_\_  
Shipper, Per

**— Agen**

Permanent post-office  
address of shipper,

Per

# RAIGHT BILL OF LADING— SHORT FORM

ORIGIN: NOT NEGOTIABLE

Shipper's No. SG-864

Carrier's Name: US Environmental

Carrier's No. 12718

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-15-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA County PA State 17876 Zip PA

Route Delivery Address\* (To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

**C. O. D. Charges to be**

Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		laod water	6000	gal	
		#82			
AFE#		51244			
API#		37-115-20149			
Truck#		670/448			
Plate#		MT 8782H			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTES—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

CABOT-EPA 007354

DIM0227454

DIM0228587

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-649Carrier's Name: US EnvironmentalCarrier's No. B1-B109413

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-15-10 FROM SRWR?Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is hereby agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Geernation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin am CityCounty PA State 17876 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	6000 6300	gal
		#2		
AF#		51244		
API#		37-115-20149		
Truck#		626		
Plate#		P18281H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

Agent

CABOT-EPA 007355

DIM0227454

DIM0228588

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-650

Carrier's Name: US Environemtnal

B-191092424  
Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the Issue of this Bill of lading,

at Dimock Twp.

(Date) 5-15-10

FROM SRWrc/abot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Geenraiton

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd.

Street

Shamokin DAM

City

County

PA

State

17876

Zip

Route

Delivery Address★

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier

Car or Vehicle Initials and No.

Collect on Delivery \$

And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To Be Prepaid."

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	6000 6300	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		626		
Plate#		PJ8281H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Randy E

Agent

Permanent post-office  
address of shipper,

Per

CABOT-EPA 007356

DIM0227454

DIM0228589

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-651Carrier's Name: US EnvironmentaCarrier's No. BoL# 109429

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-15-10 FROM SRWR/cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party in any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which govern the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City  
County PA State 17876 ZipRoute Delivery Address  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	6300	gal
		██████ #2		
AFE#		51244		
API#		37-115-20149		
Truck#		TR 625		
Plate#		AF- 57940		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Agent  
Per Randy Hensel

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The form containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007357

DIM0227454

DIM0228590

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-652Carrier's Name: US EnvironmentalCarrier's No. 65L# 109428

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-15-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which govern the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA State 17876 Zip PARoute Delivery Address\* (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

No. Packages	H.M.	Street	City	State
1		load water	6300	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		TR 625		
plate#		AF-57940		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office  
address of shipper,

Per

Randy Hensel

CABOT-EPA 007358

DIM0227454

DIM0228591

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-653Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-15-10 FROM SRWR/cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation) in possession of the property under the contract agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property ever at any point of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	5000	gal
		#2		
AFE#		51224		
API#		37-115-20149		
Truck#		105		
Plate#		AF-72215		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign a following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee) \_\_\_\_\_

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid." \_\_\_\_\_

Received \$ \_\_\_\_\_ to app in prepayment of the charges on the proper described herein.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

†The fibre containers used for this shipment conform to the specifications set forth in the manufacturer's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007359

Shipper's No. SC-654Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at DimockT Wp. (Date) 5-15-10 FROM SRWR/cabot

property described below, in apparent good order, except as noted (except and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood to mean any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. The shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assign.

Consigned TO Sunbury Geenraiton

(Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

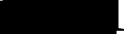
Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.W.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #2			
AFE#		51244			
API#		37-115-20149			
Truck#		#104 MIVE			
Plate#		WY2-1776			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

ed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without receipt on the consignee, the consignor shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The five containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in line of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper: \_\_\_\_\_

Per \_\_\_\_\_

CABOT-EPA 007360



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-655Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at DimockT wp. (Date) 5-15-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), packed, consigned, and destined as shown below, which said company being signatory throughout the contract as meaning any person or corporation in possession of the property under the contract agree to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway, rail or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time involved in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

 Destination Old Trail Rd. Street ShamokinDam City \_\_\_\_\_  
 County PA State 17876 Zip \_\_\_\_\_  
 Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	5000	gal
		#2		
AFB#		51244		
API#		37-115-20149		
Truck#		#104 Mike		
Plate#		4YR-1776		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignee, the consignee shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

 Paid by \_\_\_\_\_  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write in stamp here. "To be Prepaid."

 Received \$ \_\_\_\_\_ in app  
 in payment of the charges on the proper  
 described herein.

Agent or Cashier

 Per \_\_\_\_\_  
 (The signature here acknowledges only  
 the amount prepaid.)  
 Charges Advanced:

§ The three containers used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other equipment of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.  
 § Shipper's Import in lieu of stamp, set a f of bill of lading approved by the Internal Commerce Commission

CABOT-EPA 007361

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-656Carrier's Name: C. Hazer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

Dimock Twp.(Date) 5-15-10FROM SRWR/cabot

Every described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood to mean this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generaitzon

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County \_\_\_\_\_ PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address ★ \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	5000	gal
AFE#		51244		
API#		37-115-20149		
Truck#		<del>AF-2225</del> 105		
Plates		AF-7215		

Shipments moving between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

—agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced \_\_\_\_\_

S. \_\_\_\_\_  
1—The form contains used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
2—Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007362

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-657Carrier's Name: US EnvironmentalCarrier's No. B109415

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of lading,

at Dimock Twp. (Date) 5-16-10 FROM SRWrcabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street SahmokinDam City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	6550 6300	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		626		
Plate#		PA 8281H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per \_\_\_\_\_

Permanent post-office  
address of shipper,Per Bowling E Agent  
Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply  
in payment of the charges on the property  
described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only  
the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007363

DIM0227454

DIM0228596

# TRAIGHT BILL OF LADING— SHORT FORM

ORIG - NOT NEGOTIABLE

Shipper's No. SG-658

Carrier's Name: US Environmental

Carrier's No. 19109416

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-16-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA State 15906 Zip PA

Route Delivery Address\* (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
1		load water	6000 6300	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		626		
Plate#		PT 8282H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply  
in prepayment of the charges on the property described hereon.

Agent or Cashier

For  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per

Per Agent

Permanent post-office address of shipper,

Per

1

CABOT-EPA 007364

DIM0227454

DIM0228597

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-659Sunbury Bof #Carrier's No. USE Bof # 109437Carrier's Name: US Environmetnal

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimoc Twp. (Date) 5-16-10 FROM SNKSRWR/c abot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generaion

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street ShamokinD am City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300	gal	
		<u>                    #2</u>			
AFE#		512X44			
API#		37-115-20149			
Truck#		6618			
Plate#		A F 68829			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

†Shipper's stamp in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

\_\_\_\_\_ Agent

CABOT-EPA 007365

DIM0227454

DIM0228598

## STRAIGHT BILL OF LADING—SHORT FORM

ORIG - NOT NEGOTIABLE

Shipper's No. SG-6Carrier's Name: US EnvironmentalCarrier's No. 116704

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-16-10 FROM SRWR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury genratøon

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination old Trail Rd. Street ShamokinD Am City PA State 17876 ZipRoute Delivery Address\* (To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
		Weight (Subject to Connection)		Class or Rate
		Check Column		
1		load water	6000	gal
		#32		
AFE#		51244		
API#		37-115-20149		
Truck#		622		
Plate#		AF55386		

Received \$ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\*The firm containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
Shipper's Inprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

CABOT-EPA 007366

1

DIM0227454

DIM0228599

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-6618Carrier's Name: US EnvironmetnalSunbury # 27-12  
Carrier's No. SC # 159438

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-16-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin DAM City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(It To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	6000	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		618		
Plate#		A F 68829		

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's Imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Sunbury Generation Agent

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007367

DIM0227454

DIM0228600

TRAIGHT BILL OF LADING—SHORT FORM

ORIGIN NOT NEGOTIABLE

Shipper's No. SG-662

Carrier's Name: US ENvironmetnal

Carrier's No. 109421

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-16-10 FROM SRWR/abot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below; which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party in any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury GeneraXtion

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City

County PA State 17876 Zip

Route Delivery Address

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water	6000	gal
		<u>#2</u>		
AFE#		51244		
API#		37-115-20149		
Truck#		622		
Plate#		AF55396		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Permanent post-office address of shipper,

Per

Agent

Received \$ to apply in prepayment of the charges on the property described hereon.  
Agent or Cashier  
Per (The signature here acknowledges only the amount prepaid.)  
Charges Advanced:  
\$ 1  
\*The firm containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007368

DIM0227454

DIM0228601



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-663XCarrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-16-10 FROM SRJB/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party in any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury HXGeneration

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin am City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
AFB#		51244		
API#		37-115-20149		
Truck#		4104 Mike		
Plate#		YYR-1776		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Chris Spickler (son GEN)

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ in full payment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three conditions used for this shipment conform to the specifications set forth in the bill of lading certificate thereon, and all other requirements of Rule 4) of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

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CABOT-EPA 007369

# RIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 33-564

Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dinock Twp. (Date) 5-15-10 FROM SRWR/Cabot

party described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood to mean any person or corporation in possession of the property under the contract) agrees to carry in its usual place of delivery at said destination, if on its own railroad, water line, highway route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of the shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agent.

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_

County WPA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write a stamp here: "To be prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the booklet's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the National Commerce Commission.

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	cal	
		51244			
AFPA		37-115-20149			
APIA					
Truck		105			
Plate		AF-72215			

Shipments move between two ports by a carrier by water, the line requires that the bill of lading shall state whether it is carrier's or shipper's weight.

Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Chris Spink (Sun Gen)

Per \_\_\_\_\_

1

CABOT-EPA 007370

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-655Carrier's Name: C. Hager Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5-16-10 FROM SRWR/cabot

the property described below, in apparent good order, except on noted contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth in the Uniform Freight Classification in effect on the date hereof. If this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assignee.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17875 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignee, the consignee shall sign in following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load waterX	5000	gal	
		██████████ #12			
AFE#		51244			
API#		37-115-20149			
Truck#		#104 Mike			
Plate#		WYR-1776			

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The three conditions used for this shipment conform to the specifications set forth in the back of the bill of lading, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the latest Commerce Commission.

† If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

 1

CABOT-EPA 007371

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-666Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-16-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted, contents and condition of contents of packages unknown, marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin XDam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★ \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
"The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges."

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	5000	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		100- Ron K.		
Plate#		YYC-8856		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification."  
‡ Shipper's imprint in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_



1

CABOT-EPA 007372

DIM0227454

DIM0228605

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-667Carrier's Name: US EnvironmentalCarrier's No. BL-1109417

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-17-10 FROM SRWR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and detailed as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and he said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA State 17876 Zip PARoute Delivery Address\* (To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
AFB#		51244		
API#		37-115-208X149		
Truck#		626		
Plate#		Pt 8281H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding:

Shipper, Per Per

Permanent post-office address of shipper,

Per Per

Agent

Received \$ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ 

† The fibro containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading, approved by the Interstate Commerce Commission.

CABOT-EPA 007373

DIM0227454

DIM0228606

## TRAIGHT BILL OF LADING— SHORT FORM

ORIG - NOT NEGOTIABLE

Shipper's No. SG-668Carrier's Name: US EnvironmentalB1-A102418  
Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-17-10 FROM WNSRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City  
County PA State 17876 ZipRoute Delivery Address\*  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereof.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	6000 6200	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		626		
Plate#		R78281H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per Randy EPermanent post-office  
address of shipper,

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply  
in prepayment of the charges on the property described herein.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ 

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007374

DIM0227454

DIM0228607

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-669Carrier's Name: US ENvIRONMENTALCarrier's No. USE 301 109430

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-17-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin EXXDam City  
County PA State 17876 Zip

Route \_\_\_\_\_ Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street		City		State	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions		Weight (Subject to Correction)	Class or Rate
1		load water		6000	gal
		[REDACTED] #2			
AFE#		581244			
API#		37-115-20149			
Truck#		618			
Plate#		AF 68829			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.  
Shipper's Imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

per

Agent \_\_\_\_\_

CABOT-EPA 007375

DIM0227454

DIM0228608

# RAIGHT BILL OF LADING— SHORT FORM

ORIGIN — NOT NEGOTIABLE

Shipper's No SG-670

Carrier's Name: US Environemtnal

Carrier's No. 109 422

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-17-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trkail Rd. Street Shamokin DAM City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address★ \_\_\_\_\_

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

**C. O. D.** Charges to be Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water	6000	gal
		<u>#2</u>		
AFE#		51244		
API#		37-115-20149		
Truck#		622		
Plate#		AFSS 386		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the size is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per [Signature]

CABOT-EPA 007376

DIM0227454

DIM0228609



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-671Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Two. (Date) 5-17-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or vessel, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation


On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Columns
1		load water	5000	gal	
		 #2			
API#		51244			
API#		37-115-20149			
Truck#		4104 Mike			
State#		441-1776			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Ager \_\_\_\_\_

Permanent post-office address of shipper, Chris Spindler (son-in-law)

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ in appl in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

†The three consignees used for this shipment conform to the specifications set forth in the de maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification, and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007377

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-672Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at DimockT wp. (Date) 5-17-10 FROM SRWR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokn Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	K.M.	Street	City	State
1		load water	5000	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		100 - RUN K		
Plate#		YYE-8856		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is depreciable on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Chris Spethun (Sun Gen)

Per \_\_\_\_\_

CABOT-EPA 007378

DIM0227454

DIM0228611

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No SC-673Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimockt wp. (Date) 5-17-10 FROM SRMR?Cabot

the property described below, in apparent good order, except as noted hereon, and condition of contents of packages unknown, marked, consigned, and designed as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any part of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury (Mail or street address for purposes of notification only.)  
KANKSEH GenerationDestination Old Trail Rd. Street Shamokin DAM City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write "To be prepaid" stamp here.

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	HM.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		<u>                    </u> #2			
AFE		51244			
API		37-115-20149			
Truck		<u>#104 Mike</u>			
Plate		<u>442-1776</u>			

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The Signatures here acknowledge only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the b maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's Imprint in lieu of stamp; not a part of bill of lading approved by the Intermodal Commerce Commission.)

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_



CABOT-EPA 007379

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGIN: NOT NEGOTIABLE

Shipper's No. SG-674Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Dimock Twp. (Date) 5-17-10 FROM SRWR? Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

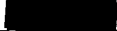
Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

		Street	City	State	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #2			
AFE#		51244			
API#		37-115-20149			
Truck#		100- Ron K.			
Plate#		VYC-8856			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_  
\*The fiber containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's Imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007380

DIM0227454

DIM0228613

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 33-675Carrier's Name: US Environmental33-1109419  
Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Two. (Date) 5-13-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry in its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty PA State 17876 ZipRoute \_\_\_\_\_ Delivery Address\*  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
APSE		51244		
API		37-115-20149		
Truck#		626		
plate#		P18281H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Permanent post-office address of shipper, \_\_\_\_\_ Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 2 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signatories here acknowledge only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the boiler's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

\*Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007381

## STRAIGHT BILL OF LADING—SHORT FORM.

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-676Carrier's Name: US EnvironmetnalCarrier's No. 25 E 201 # 10943

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dinock Two.(Date) 5-18-10FROM SRNR/Cabot

any described below. In apparent good order except as noted (contents and condition of contents of packages unknown, marked, assigned, and defined as shown below, which said company (the word company being understood to mean any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party in any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd.Street Shamokin DAM

City

County

PA

State

17876

Zip

Route

Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier

Car or Vehicle Initials and No.

Collect on Delivery \$

And Remit to

No. Packages	H.M.	Street	City	State
1		load water	6300	gal
		<u>42</u>		
AFE#		51244		
EPI#		37-115-20149		
Trucks		612		
P-123		AF 68829		

Shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Per

Permanent post-office address of shipper,

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign it following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write "To Be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signatory here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The three conditions used for this shipment conform to the specifications set forth in the motor's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Sumner W. Staley Agent

1

CABOT-EPA 007382

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-677Carrier's Name: US EnvironmentalCarrier's No. B1-1109450

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at DinocKT wp. (Date) 5-18-10 FROM SRWR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generaiton

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty PA State 17876 Zip

Route \_\_\_\_\_ Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
APF#		51244		
API#		37-115-20149		
Truck#		626		
Plate#		P18291A		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre certificate used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 2 of the National Motor Freight Classification.

Shipper's Imprec in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007383

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-673Carrier's Name: US EnvironmentalCarrier's No. 109423

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

Dimock Twp.(Date) 5-18-10FROM SRWR?Cabot

party described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, weighed, counted, and checked as shown below, which said company (the word company being understood to mean this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party in any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Snamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse to the consignee, the consignee shall sign on following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water	6000	gal
		#2		
APIE		51244		
APIE		37-115-20149		
Truck#		622		
Plate#		AF5534		

shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
Where the rule is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Ager \_\_\_\_\_

Permanent post-office  
address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

CABOT-EPA 007384



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-579Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinocket Wp. (Date) 5-18-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

 Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
 County PA State 17876 Zip \_\_\_\_\_

 Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
 (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		105		
Plate#		AF72215		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Chris Spidku (Sunbury CT-10-497)Per D

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

S. \_\_\_\_\_  
 \*The first containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
 Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007385

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-630Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

Dinrock Twp.

(Date) 5-18-10FROM SRWR/Cabot

property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood to mean the person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway, or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any part of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of the shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury Generation

(Mail or street address for purpose of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
 County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
 (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		<u>#2</u>			
FE#		51244			
PI#		37-115-20149			
Truck#		100 - RUN K.			
Date#		Y4C-8856			

When service between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper.

Chris Spickard (SUNGEN CT-10-198)

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
 The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate, Bureau, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's receipt in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007386

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SE-631Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-18-10 FROM SWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery or said destination, if on its own railroad, water line, highway, or on a route, or within the territory of its highway operations, otherwise to deliver to another carrier on the coast to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation


On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H. M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #2			
APR#		51244			
API#		37-115-20149			
Truck#		# 104 Mike			
Plate#		4PR-1776			

\*If the shipment moves between points by a carrier by water, the law requires that the bill of lading shall state whether it is owner's or shipper's weight.  
NOTE:—Where the rate is dependent on value, shipper has required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, Chris Spindler (SUN GEN CT-10-499)

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign in following instrument:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cusler

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_  
†The five containers used for this shipment conform to the specifications set forth in the motor carrier's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
‡Shipper's stamp in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007387

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-692Carrier's Name: C. Gler Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dimock Twp.(Date) 5-18-10FROM SRWR/Cabot

Shipment described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood on this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery in said destination, if on its own railroad, water line, highway route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion said route to destination, and as to each party in any time increased in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO SUNBURY Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd.Street Shamokin Dam

City \_\_\_\_\_

County \_\_\_\_\_

PA

State \_\_\_\_\_

17875

Zip \_\_\_\_\_

Route \_\_\_\_\_

Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ in app't in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

†Shipper's initial in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		██████ #2			
AFE#		51244			
API#		37-115-20149			
Truck#		#104 MIKE			
Plate#		44L-1776			

\*If shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

Agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_



1

CABOT-EPA 007388

DIM0227454

DIM0228621

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-683Carrier's Name: US EnvironmetnalCarrier's No. 130503

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinock Twp. (Date) 5-19-10 FROM SRWR/cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property, that the carrier of said property shall be subject to the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail R d. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Crack Column
1		load water	6000	gal	
		#2			
ASB#		51244			
API#		37-115-20149			
TRUCK#		620/668			
PLATS#		AT 97824			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's Import in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007389

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-684us E Boi# 109432

Carrier's No. \_\_\_\_\_

Carrier's Name: US Environmental

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

From Dimock Twp. (Date) 5-19-10 FROM SRWR/Cabot

very described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood as this contract as including any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway, route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any part of route to destination, and as to each party as any time hereinafter in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth in the Uniform Freight Classification in effect on the date hereof. If this is a rail or rail-water shipment, or (2) is the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17875 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of its shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages H.M. Kind of Package, Description of Articles, Special Marks, and Exceptions Weight (Subject to Correction) Class or Rate Check Column

1 load water 6000 gal

AFB# 51244

API# 37-115-20149

Trucks# 618

Plate# AF 68829

Received \$ \_\_\_\_\_ to app/ is prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the motor's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.)

The shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

Agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

1

CABOT-EPA 007390

Carrier's Name: US EnvironmentalCarrier's No. 109424

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5-19-10 FROM SRNR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each order of bill or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17375 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign in following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cushter

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\* "The firm conditions used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

Shipper's imprint in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Columns				
1		load washer	6000	gal
		#2		
AFE#		51244		
APU#		37-115-20149		
Truck#		622		
plates		AF5538		

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Ager \_\_\_\_\_

Permanent post-office address of shipper: \_\_\_\_\_

Per \_\_\_\_\_

1

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SC-686Carrier's Name: US EnvironmentalCarrier's No. 130 504

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

At Dinrock Two. (Date) 5-19-10 FROM SRN/Cabot

very described below, in apparent good order, except as noted (quantity and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said consignor (the word company being understood if this contract is made by any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of route to destination, and as to each party as may be interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty PA State 17876 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
1		load water	6000	cal
		#2		
AFEN		51244		
APIH		37-115-20149		
Trucks		670/469		
Plate		PT 818 2H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 \*Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

Agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write "To be Prepaid" stamp here.

Received \$ to app is prepayment of the charges on the proper described herein.

Agent or Cashier

Per  
 (The signature here acknowledges only the amount prepaid.)  
 Charges Advanced:

\*The five containers used for this shipment conform to the specifications set forth in the bi-molar's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
 (Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.)

CABOT-EPA 007392

DIM0227454

DIM0228625



Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock twp. (Date) 5-19-10 FROM SRWR/cabot

the property described below, in apparent good order, except as noted contents and condition of contents of packages unknown, marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury Generation

(Mail or street address for purposes of notification only.)

Destination Old XXXXTrail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\* To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000 XXXX	gal	
		██████ #2			
AFE#		51244			
BFI#		37-115-20149			
TRUCK#		#104			
PLATE#		4VR-1776			

Subject to Section 7 of conditions, if the shipment is to be delivered to the consignee without recourse, on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\* The fire containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's Imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

He agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Chris Spink (Sunbury CT-10-585)

Per \_\_\_\_\_

1

Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-19-10 FROM SRWR/cabot

Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company the word company being understood as this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or while the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

 Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
 County PA State 17876 Zip \_\_\_\_\_  
 Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
 (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	5000	gal
		<u>#2</u>		
AFE#		51244		
API#		37-115-20149		
Truck#		#104 Mike		
Plate#		44L-1776		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 \*\*Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

reed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper.

Wm. H. H. H. H. H.5-19-10

Per \_\_\_\_\_

CT-10-4821

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

 Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Carrier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three conditions used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other statements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper's No. 00-000Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinocket, Wyo. (Date) 5-19-10 FROM SPWPC/abot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract agree to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

 Destination Old Trail Rd. Street XXXXXX Shamokin Dr City \_\_\_\_\_  
 County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	5000	gal
		<u>#2</u>		
AFE#		51244		
API#		37-115-20149		
Truck#		105		
Plate#		AF 73215		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.) \_\_\_\_\_

C. O. D. Charges to be

Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid" \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_ (The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

\*The blue containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
 †Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper.

Chris Spahn (Sun Gen CT-10-504)Per De

1

CABOT-EPA 007395

Carrier's Name: C. Haer Trucking

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Rd. (Date) 5-19-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which and company the word company being understood to mean this contract as meaning any person or corporation in possession of the property under the contract agreed to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property, over all or any route or routes to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Contract set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City

County PA State 17876 Zip

Route Delivery Address

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write in stamp here, "To Be Prepaid."

Received \$ to app in payment of the charges on the proper described herein.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The bills contained used for this shipment conform to the specifications set forth in the "b" matter's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		lapd water	5000	gal	
		#2			
AFEN		51244			
API		37-115-20149			
Truck#		105			
Place#		AF72R15			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

read or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

3

CABOT-EPA 007396

Shipper's NO. \_\_\_\_\_

Carrier's Name: US Environmental

Carrier's No. 130693

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5/20/10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted hereon and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery as said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Called on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_

County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300	gal	
		<u>51244</u>			
AFB#		<u>37-115-20149</u>			
API#					
Truck #		<u>621</u>			
Plate #		<u>XBC7420</u>			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_ Agent, Per \_\_\_\_\_  
Permanent post-office address of shipper, \_\_\_\_\_

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without receipt on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the bureau's certificate hereto, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

\*Shipper's imprint in lieu of stamp; see a pa of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007397

Shippers No. --- --

Carrier's Name: **US Environmental**Carrier's No. **130690**

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at **Dimock Twp.** (Date) **5/20/13** FROM **SRWR/Cabot**

the property described below, in apparent good order, except as noted contents and condition of contents of packages unknown, marked, consumed, and destined as shown below, which said company (the word company being understood to mean this contract as including any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight and Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO **Sunbury Generation**

(Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination **Old Trail Rd.** Street **Shamokin Dam** City  
County **PA** State **17876** ZipRoute **Delivery Address\***  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H M	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300	gal	
		<b>#2</b>			
AFE #		51244			
API #		37-115-20149			
Truck #		621			
Plats #		XBC 7420			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write a stamp here, "To Be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The fibre containers used for this shipment conform to the specifications set forth in the carrier's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

\_\_\_\_\_  
Shipper, Per \_\_\_\_\_\_\_\_\_\_  
Agent

Permanent post-office address of shipper.

Per \_\_\_\_\_

1

CABOT-EPA 007398

Shipper's No. 56-093

Carrier's Name: US Environmental

Carrier's No. 130503

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5/20/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any part of said property over all or any part of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Ship Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City

County PA State 17876 Zip

Route Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Columns
1		load water	6000	gal	
		<u>#2</u>			
AFD#		51244			
API#		37-115-20149			
Truck#		<u>620/448</u>			
Plate#		<u>AT 878 2H</u>			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Age

Permanent post-office address of shipper.

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without return on the consignor, the consignor shall sign it following statement:  
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here. "To be Prepaid."

Received \$ to app in payment of the charges on the proper described herein.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The flare containers used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

(Shipper's Imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.)

Shipper's No. 55-074  
USE # 109433  
 Carrier's No.
Carrier's Name: **US Environmental**

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at **Dimock Twp.** (Date) **5/20/10** FROM **SRWR/Cabot**

very described below, in separate good order, except as noted hereon and condition of contents of packages unknown, marked, consigned and destined as shown below, which said company (the word company being understood as herein the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of the route to destination, and as to each party as any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO **Sunbury Generation**

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination **Old Trail Rd.** Street **Shamokin Dam** CityCounty **PA** State **17876** ZipRoute **Delivery Address\***

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier **Car or Vehicle Initials and No.**Collect on Delivery \$ **And Remit to**

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

☐ Paid by Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here: "To be Prepaid."

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5300	gal	
		<b>#2</b>			
AFE#		51244			
API#		37-115-20149			
Truck#		618			
Plate#		AE 68829			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 (Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.)

and or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

For (The signatory here acknowledges only the amount prepaid)

Charges Advanced:

\$

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's signature in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.)

Shipper, Per

Per

Permanent post-office address of shipper.

Agent

1



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-695Carrier's Name: C. Hear Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5/20/10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury & X Generation

(Mail or street address for purposes of notification only.)


On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

 Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
 County PA State 17876 Zip \_\_\_\_\_

 Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
 (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
		load water	5000	cal
		 #2		
AFE		51244		
API		37-115-20149		
Truck		# 105		
Plate		# AF 72215		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Ager \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per 

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to and in prepayment of the charges on the property described herein.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid.)  
 Charges Advanced.

\$ \_\_\_\_\_  
 1. "The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."  
 2. Shipper's license in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007401

Shipper's No. 0000Carrier's Name: C Hear Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5/20/10 FROM SRWR/Cabot

very described below, in apparent good order, except as noted (contents and condition of contents of packages unexamined, marked, consigned, and delivered as shown below, which said company (the word company being understood this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property, over all or any portion of the route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_


Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(A To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #2			
AFE#		51244			
APT #		37-115-20149			
Truck #		#104 Mike			
Plate #		442-1776			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 -Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

Agreed or declared value of this property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign a following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The five containers used for this shipment conform to the specifications set forth in the 3 motor's certificate diagram, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint is lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.)

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper.

Phin Spidner (SON GEN CT-10-514)

Per \_\_\_\_\_

Agent \_\_\_\_\_

1

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-697Carrier's Name: C Hear Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of Lading.

at Dimock Twp. (Date) 5/20/10 FROM SRNR/EXXON Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway, or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any part of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 420, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PAState 17376

Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereof.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		<u>#2</u>			
AFE		51244			
API		37-115-20149			
Truck #		<u>105</u>			
Plate #		<u>AF78915</u>			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write "To be Prepaid."

Received \$ \_\_\_\_\_ to pay in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
Changes Advised:

\$ \_\_\_\_\_  
\*The three conditions used for this shipment conform to the specifications set forth in the 1 maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interim Commerce Commission.

Shipper, Per \_\_\_\_\_

Age \_\_\_\_\_

Permanent post-office address of shipper, Ohio Seawall (Sun Gen CT-10-513)Per 10

1

CABOT-EPA 007403

Carrier's Name: C hear Trucking

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5/20/10 FROM SEWR/Cabot

any described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood to include any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property, over all or any portion of the route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City  
County PA State 17876 Zip

Route Delivery Address\*  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
1		load water	5000	gal
		#2		
ATE #		51244		
API #		37-115-20149		
Truck #		#104 Mike		
Plate #		44B-1776		

117 The shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

Agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Ager

Permanent post-office address of shipper.

Per

Subject to Section 7 of conditions, if the shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To Be Prepaid."

Received \$ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per  
(The signatory here acknowledges only the amount prepaid.)

Charges Advanced:

\$  
The three containers used for this shipment conform to the specifications set forth in the boiler maker's certificate thereof, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-699Carrier's Name: US EnvironmentalBL-A130608  
Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5/21/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of this property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway, route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or non-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury Generation

(Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	6000 5500	gal
		#2		
AFE#	51244			
API#	37-115-20149			
Truck	626			
Plate#	948281H			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office  
address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignee, the consignee shall sign at following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write in stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier \_\_\_\_\_

Per: \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

†The bills consigned used for this shipment conform to the specifications set forth in the back matter's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007405

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SC-700Carrier's Name: US Environmental

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dimock Twp.(Date) 5/21/10FROM SENECA/CABOT

very described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood in this context as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assign.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000 6000	cal	
		#2			
AFE#		51244			
API#		37-115-20149			
TRUCK#		621/660			
PLATE#		XB67420			

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other requirements of Rule 4) of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

†Shipper's imprint in line of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

\*shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007406

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-701Carrier's Name: US. Environmental

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinock Twp. (Date) 5/21/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination. If on its own railroad, water line, highway or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any part of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO SUNbury Generation

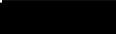
On Collected Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17875 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000 <i>6000</i>	gal	
		 #2			
AFE#		51244			
AEI#		37-115-20149			
Truck#		621			
Plate#		XBC7420			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
(Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Federal Commerce Commission.)

Agent \_\_\_\_\_

CABOT-EPA 007407

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Dimock Two. (Date) 5/21/10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted hereon, and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the vessel company being understood throughout this contract) as meaning any person or corporation in possession of the property under the contract agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment. The said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO SUNbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City

County PA State 17876 Zip

Route Delivery Address

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
AFE#		51244		
API		37-115-20149		
Truck#		626		
Plate#		88881H		

Received \$ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)  
Charges Advanced:

\$ The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
Shipper's imprint in lieu of stamp; on a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

1



Carrier's Name: C. O. D. TRUCKING

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at DIMCOCK TWO (Date) 5/21/10 FROM SUNB/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, counted, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		<u>#2</u>		
AFEN		51244		
API#		37-115-20149		
TRUCK#		<u>#104 Mike</u>		
PLATE#		<u>4YR-1774</u>		

\*If the shipment is made between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Ager \_\_\_\_\_

Permanent post-office address of shipper, Chris Spolm (SUN GEN CT-10-523)

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without release on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box under's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint in lieu of stamp; not a part of bill of lading approval by the Interstate Commerce Commission.)

CABOT-EPA 007409

Carrier's Name: C. Haer Trucking

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5/21/10 FROM SRHR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, on to each carrier of all or any of said property, that every carrier to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment, or hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO SUNbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Set. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty PA State 17876 ZipRoute Delivery Address\*  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Connection)	Class or Rate	Check Column
1		load water	5000	gal	
		<u>#2</u>			
AFE#		51244			
API#		37-115-20149			
Truck#		<u>#104 Mike</u>			
Plate#		<u>YUR-1776</u>			

Received \$ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ 

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 4 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

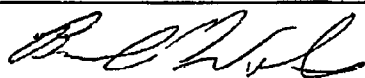
per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per



1

CABOT-EPA 007410

Carrier's Name: C. Raer Trucking

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at DIMOCK TWP. (Date) 5/21/10 FROM SRWP/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty PA State 17876 ZipRoute Delivery Address

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

No. Packages	K.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column	
1		load water	5000	gal
		#2		
API#		51244		
API#		37-115-20149		
Truck#		105		
Plate#		AE 72215		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Age

Permanent post-office address of shipper, Ami Spidm (SUN GEN CT-10-522)Per 1

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without receipt on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ in apply in prepayment of the charges on the property described herein.

Agent or Cashier

To: (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

Shipper's Imprint in lieu of stamp: not a part of bill of lading, approved by the Interstate Commerce Commission.

CABOT-EPA 007411

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dinrock Twp. (Date) 5/21/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water, or highway rates or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party in any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading as for (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or water-carrier shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)


Signed TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County \_\_\_\_\_ PA State 17875 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\* To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	5000	gal
		 #2		
APF#		51244		
API#		37-115-20149		
Truck#		105		
Plate#		AF 72215		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:


\$ \_\_\_\_\_  
\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

ant post-office  
address of shipper,

Per D
 1

CABOT-EPA 007412

Shipper's NO. 130506

Carrier's Name: US Environmental

Carrier's No. 130506

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimeck Two (Date) 5/21/10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any part of said property over all or any part of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Rd City \_\_\_\_\_

County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000		
		* 2			
AFE:		51244			
API:		37-115-20149			
Truck:		620/668			
Plate:		AT8782H			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse as the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced \_\_\_\_\_

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's Imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007413

Shippers No. 50-106Carrier's Name: US EnvironmentalCarrier's No. 130591

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dimock Twp. (Date) 5-22-10 FROM SRMR/Cabot

very described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the vessel company being understood out this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own inland water way, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time (increased in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if that is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assign.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA State 17876 ZipRoute Delivery Address\* (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignment, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	600 gal		
		#2			
APRM		51244			
APM		37-115-20149			
Truck#		614			
Plate#		AF43511			

Received \$ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ 

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in line of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

...agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per 

1

CABOT-EPA 007414

Shipper's No. 367-107Carrier's Name: US EnvironmentalCarrier's No. 130583

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dinwiddie Twp. (Date) 5-22-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any part of said route to destination, and as to each party at any time increased in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of Lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Gross or Net	Check Column
1		load water	6000 # 6000	gal	
		#2			
AFE#		51244			
API#		37-115-20149			
Truck#		614			
Plate#		AF43571			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Agent \_\_\_\_\_

Per Daglip

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse to the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

\*The flow container used for this shipment conforms to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

Shipper's Imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Agent \_\_\_\_\_

Per Daglip

CABOT-EPA 007415

Shipper's No. 81-110Carrier's Name: US EnvironmentalCarrier's No. BOL # 130512

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

Dinock Two. (Date) 5-22-10 FROM SRWR/cabot

property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood to mean any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination. If on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1	load water	5300	gal	
	#2			
AFE#	512454			
API#	37-115-20149			
Truck#	TR 625			
plate#	AF- 57940			

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

1 "The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

2 Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per \_\_\_\_\_

per

Per \_\_\_\_\_

Agent

Permanent post-office address of shipper.

1

CABOT-EPA 007416



Shipper's No. SG-111Carrier's Name: US EnvironmentalCarrier's No. BOL# 130511

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5-22-10 FROM SRWR/cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the vessel company being understood) through its contract as carrier or agent, agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time involved in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA State 17876 ZipRoute Delivery Address (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
1		load water	6300	gal
		#2		
APB#		51244		
APT#		37-115-20149		
BUCK#		TR 625		
Plate#		AF-57940		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per Shipper, Per Agent

Permanent post-office address of shipper, Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid write or stamp here. "To be Prepaid."

Received \$ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ 

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's Imprint in lieu of stamp on 3 p. of bill of lading approved by the Interstate Commerce Commission.)

Shipper's No. 36-114Carrier's No. 31-9130607Carrier's Name: US Environmental

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dimock Twp. (Date) 5-22-10 FROM SPWS/cabot

Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood to mean this contract as executed by any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination. If on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Demand Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City PA State 17876 Zip PA County PA Delivery Address★

Route \_\_\_\_\_ (★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		626		
Plate#		P18281H		

When shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Consignor

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced.

\$ \_\_\_\_\_

† The blue containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007418

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-713Carrier's Name: US EnvironmentalB1-9130608  
Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-22-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract agrees to carry to its usual place of delivery or said destination, if on its own railroad, water line, highway, or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as in each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject in all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shanokin Dam CityCounty PA State 17376 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
		Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate
1		load water	6000 6300	gal
		<u>#2</u>		
API#		51244		
API#		37-115-20149		
Truck#		626		
plate#		848281H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Permanent post-office  
address of shipper,

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_  
\*The above containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's stamp in lieu of stamp; not a p of bill of lading approved by the Interstate Commerce Commission.)

Agent

CABOT-EPA 007419

Shipper's No. SG-714Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dimock Twp.(Date) 5-22-10FROM SRWR/cabot

Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood to include any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only).

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County \_\_\_\_\_ PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		A104 MIKE		
Rate#		441-1776		

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

By: \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fiber containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.)

Shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Chino Spickard/Sun Gen CT-D-538

Per \_\_\_\_\_

1

Shipper's No. SG-715

Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Dismock Two. (Date) 5-22-78 FROM SRWR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

-Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17376 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
RF33		51244		
API#		37-115-20149		
Truck#		105		
Plate#		AF72015		

\*If the shipment moves between two ports by a carrier by Water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per \_\_\_\_\_  
Permanent post-office address of shipper, PO Box 10000 Shamokin Dam PA 17876

**US** Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not accept delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described above.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\*The above containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 43 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
(Shipper's Agent is licor of stamp set a pa of bill of lading approved by the Interstate Commerce Commission.)

2

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-716Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of lading.

Dimock Two.(Date) 5-22-10FROM SRWR/cabot

property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation) is possession of the property under the contract agree to carry to its usual place of delivery or said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(x-To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)


C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #2			
AFEX#		51244			
API#		37-115-20149			
Truck#		#104 MIKE			
Rate#		442-1776			

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amounts prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's Imprese in lieu of stamp, not a part of Bill of Lading approved by the Interstate Commerce Commission.

Shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Chris Spink (Sun GEN CT-10-533)

Per \_\_\_\_\_

1

CABOT-EPA 007422

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-717Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Two. (Date) 5-22-10 FROM SRWR?Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and claimed as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Geneartion

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 1787286 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		██████████ #22			
APF#		51244			
API#		37-115-20149			
Truck #		105			
Plate #		AF 72215			

\*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE:—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's Imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper.

Chris Spindler (Sun 62N CT-10-537)Per P

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CABOT-EPA 007423

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-718Carrier's Name: US EnvironmentalCarrier's No. BOL# 130513

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

Dimock Twp.(Date) 5-23-10

FROM

SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO MSunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd.

Street

Sahnokin Dam City

County

PA

State

17876

Zip

Route

Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier

Car or Vehicle Initials and No.

Collect on Delivery \$

And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid write or stamp here: "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water	6300	gal
		#2		
555#		51244		
API#		37-115-20149		
Truck#		TR 625		
late#		AF-57940		

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cusher

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's Import is free of stamp, as a part of bill of lading approved by the Interstate Commerce Commission.

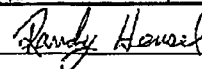
\* If shipment moves between two parts by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per



Agent

Permanent post-office  
address of shipper.

Per

1

CABOT-EPA 007424



Carrier's Name: US Environmental

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-23-10 FROM SRMR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff (if this is a motor carrier shipment). Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty PA State 17876 Zip

Route \_\_\_\_\_ Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	<u>6000</u> <u>5500</u>	gal	
		<u>#2</u>			
<u>3755</u>		<u>51244</u>			
<u>3714</u>		<u>37-115-20149</u>			
<u>Truck</u>		<u>626</u>			
<u>Date</u>		<u>P48281H</u>			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper.

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 2 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Per Randy E Agent

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## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-720US E Box # 130521Carrier's Name: US Environmental

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dimock Twp.(Date) 5-23-10FROM SEWR/Cabot

property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time increased in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County \_\_\_\_\_ PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000	gal	
		██████████ #2			
1 PEB#		51244			
ADI#		37-115-20149			
Truck#		618			
res		A F 68829			

shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 2—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Per \_\_\_\_\_

Permanent post-office address of shipper.

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

"The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges."

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's Import in line of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

per \_\_\_\_\_

\_\_\_\_\_ Agent

CABOT-EPA 007426

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-721Carrier's Name: US EnvironmentalCarrier's No. BOL# 130514

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-23-10 FROM SRNR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City  
County PA State 17876 ZipRoute \_\_\_\_\_ Delivery Address★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	6300	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		TR 625		
Plate#		AF-57940		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office  
address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent Randy Herd

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply  
in prepayment of the charges on the property  
described hereon.

Agent or Consignee

Per \_\_\_\_\_  
(The signature here acknowledges only  
the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† The first endorsement used for this shipment  
conforms to the specifications set forth in the box  
maker's certificate thereon, and all other requirements  
of Rule 41 of the Uniform Freight Classification  
and Rule 5 of the National Motor Freight  
Classification.  
Shipper's Imprint in lieu of stamp, not a part  
of bill of lading approved by the Interstate  
Commerce Commission.

CABOT-EPA 007427

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-722Carrier's Name: US EnvironmentalBX-1130610  
Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dinock Twp.(Date) 5-23-10FROM SRMR/Cabot

The property described below, in apparent good order, except as noted hereon and condition of contents of packages unknown, loaded, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO HSunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty PA State 17876 ZipRoute \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint in Box of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6800 -5399	gal	
		#2			
AFB#		51244			
API#		37-115-20149			
Truck#		626			
late#		Rt 8281H			

\*Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per \_\_\_\_\_

per Randy E Agent  
Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

1

CABOT-EPA 007428

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-723US E Bot # 109440

Carrier's No. \_\_\_\_\_

Carrier's Name: US Environmental

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-23-10 FROM BRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shanokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000	gal	
		██████████ #2			
APEN		51244			
API#		37-115-20149			
Truck#		618			
Plate#		AF 68829			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

per \_\_\_\_\_ Agent

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CABOT-EPA 007429

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SC-724Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dimock Two(Date) 5-23-10FROM SEIR/Cabot

use property described below. In apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery in said destination. If on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each consignment of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said Bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd.Street Shamokin EDam

City \_\_\_\_\_

County \_\_\_\_\_

PA

State 17876

Zip \_\_\_\_\_

Route \_\_\_\_\_

Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000 XXXX	cal	
		██████ #2			
AFEN		51244			
API#		37-115-20149			
Truck#		#104 MIKE			
Rate#		442-1776			

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per: \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

6

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
†Shipper's signature in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

When shipment moves between rail ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

PER

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Chin Spickler (SUNBURY CT-10-539)

Per \_\_\_\_\_

1

CABOT-EPA 007430

Carbon, and retained by the Agent.

Shipper's No. SG-725Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dinwiddie Twp. (Date) 5-24-10 FROM SPR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operation, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time hereafter in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COO" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

-Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17875 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_


No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	cal	
		#2			
AP#4		51244			
API#		37-115-20149			
TRUCK#		105			
Plate#		AF70215			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE:—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, Mr. Sunbury Generation CT-10-540

 Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The five containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

Shipper's Import in line of stamp, not a po. of bill of lading approved by the Interstate Commerce Commission.

2

CABOT-EPA 007431

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-726Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Mock Twp.(Date) 5-23-10FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, at to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd.

Street

Shamokin Dam

City

County

PA

State

17876

Zip

Route

Delivery Address

(\*To be filed in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier

Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_

And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Conversion)	Class or Rate	Check Column
1		load water	5000	gal	
		██████████ #2			
APR 1		51244			
APR 1		37-115-20149			
Truck #104		MIKE			
17-104		44R-1776			

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

\*The flow containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.  
Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Chris Siskin (520 425 10-545)

Per \_\_\_\_\_

1

CABOT-EPA 007432



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-727Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp.(Date) 5-23-10FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his consignee.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 490, Sec. 1.

Destination Old Trail Rd.

Street

Shamokin Dam

City

County

PA

State

17876

Zip

Route

Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier

Car or Vehicle Initials and No.

Collect on Delivery \$

And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)


C. O. D. Charges to be

Paid by

☐ Shipper☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #2			
AFE#		51244			
API#		37-115-20149			
Truck#		105			
Plate#		AF78215			

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate (Form No. 1) and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's receipt is in lieu of stamp on a page of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper.

Chino Spidma (500 GEN CT-10-544)Per [Signature]

1

CABOT-EPA 007433

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 3G-723Carrier's Name: US EnvironmentalCarrier's No. BoL# 130515

EVID, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dinock Twp.(Date) 5-23-10FROM SPWR?Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or motor, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading, set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Rd City PACounty PA State 17876 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply  
in prepayment of the charges on the property described hereon.

Agent or Carrier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	6300	gal
		#2		
AFE#		51244		
API#		37-115-20149		
Truck#		TR 625		
ite#		AF-57940		

When shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Randy Hensel

Agent

Permanent post-office  
address of shipper,

Per

1

CABOT-EPA 007434

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-729Carrier's Name: US EnvironmentalCarrier's No. Bol # 130516

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-24-10 FROM SRWR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which govern the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	3300	gal	
		#2			
APPA		51244			
APIA		37-115-20149			
Truck		TR 625			
Plat		AF-57940			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

PSF

Shipper, Per \_\_\_\_\_

Randy Hensel

Agent

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse to the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Carrier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint in line of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.)

CABOT-EPA 007435

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-730US EPA 109436Carrier's Name: US Environmental

Carrier's No. \_\_\_\_\_

RESERVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

Dimock Twp.(Date) 5-24-10FROM SENECA/cabot

The property described below, is apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry as its usual place of delivery at said destination, if on its own railroad, water, air, highway, rail or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County \_\_\_\_\_ State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_


Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid write or stamp here, "To be Prepaid."

		Street	City	State	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300	gal	
		 #2			
REE#		51244			
API#		37-115-20149			
Truck#		610			
Label#		AF60879			

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Sumner W. Stehly Agent

CABOT-EPA 007436

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-731Carrier's Name: US EnvironmentalCarrier's No. BL-130611

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-24-10 FROM SRWA/cabot

the property described below, in apparent good order, except as noted (reason and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the vessel company being understood throughout this contract as making any person or corporation in possession of the property under the contract agree to carry to its usual place of delivery at said destination, if on its own railroad water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury E&E Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty PA State 17376 ZipRoute Delivery Address\*

(\*To be filed in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6260	gal	
		#2			
APES#		51244			
API#		37-115-20149			
Truck#		626			
Plate#		PA 828 LH			

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Permanent post-office address of shipper.

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse to the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Reserved \$ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ 

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Per Randy E.

Agent

CABOT-EPA 007437

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 33-732Carrier's Name: EXC. Jaer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of Lading.

Dimock Twp.(Date) 5-24-10FROM SRWR/Cabot

Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
 County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
 (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		<u>#2</u>			
AFEN		51244			
APIA		37-115-20149			
Truck #		<u>#104 Mike</u>			
TS		<u>Y4R-17X</u>			

Agreement between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 \*Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Carrier

Per \_\_\_\_\_  
 (The signatory here acknowledges only the amount prepaid.)  
 Charges Advanced:

\*The Dore containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification, and Rule 3 of the National Motor Freight Classification.  
 (Shipper's imprint, in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.)

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Chris Spielman (Son GEN CT-10-550)

Per \_\_\_\_\_

1

CABOT-EPA 007438

THIS SHIPMENT MUST BE RECORDED BY THE AGENT, IN THE REGISTRY BOOK, AT THE PLACE OF ORIGIN, AND RETAINED BY THE AGENT.

Shipper's No. 33-733

Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dinwiddie Co. (Date) 5-124-10 FROM SRTR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party in any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

-Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_

County \_\_\_\_\_ PA State 17875 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery at street.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on-Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		#2			
		51244			
		37-115-20140			
		105			
		AF 72215			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, 7111 S. Main St. (Hanger) 17-10-551

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Carrier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_  
\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a p. of bill of lading approved by the Interstate Commerce Commission.

2

CABOT-EPA 007439

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. 39-734

Carrier's Name: C. O. D. Trucking

Carrier's No. \_\_\_\_\_

ISSUED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimockt wn. (Date) 5-24-10 FROM SRWR/CABOT

The property described below, in apparent good order, except as noted, is consigned and delivered as shown below, which said company the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract, agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury Generation

On Collection Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

-Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County \_\_\_\_\_ State 17875 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
(To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	5000	gal
		51244		
		37-115-20149		
		105		
		AF-MARK		

NOTE: If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipped, Per \_\_\_\_\_

Permanent post-office address of shipper, 7-10-556

Agent must detach and retain this Shipping Order and must sign the Original Bill of lading.

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 11 of the Uniform Freight Classification and Rule 54 of the National Motor Freight Classification.  
Shipper's imprint in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

2

CABOT-EPA 007440



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-735Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dilworth, Pa. (Date) 5-24-10 FROM SRM/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shanokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	5000	gal
		██████████ 32		
AFEN		51244		
APIW		37-115-20149		
Truck #		#104 NINE		
Plate #		44R-1776		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanent post-office address of shipper, BE 200 CT-10-555 Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007441

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-736Carrier's Name: US EnvironmentalCarrier's No. BOL# 130517

SIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5/25/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the vessel company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County \_\_\_\_\_ PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	6300	gal
		XXXXXXXX #2		
ATE#		51244		
API#		37-115-20149		
Truck#		TR 625		
Plate#		AF-57940		

When shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

per

Randy Hensel

Agent

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced: \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's Imprest in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.)

CABOT-EPA 007442

TRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-333 737  
US E B01# 109434  
 Carrier's No. 444 0223 #

Carrier's Name: US Environmental

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

1 Dimock Twp. (Date) 5/25/10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agent.

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

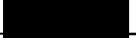
Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
 County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Columns
1		load water	6000	gal	
		 42			
AFE#		51244			
API#		37-115-20149			
Truck#		628			
Plate#		AF 68829			

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ in full payment of the charges on the property described hereina.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
 Charges Advanced

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's stamp in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission

\*If the shipment passes between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

1

CABOT-EPA 007443

# RAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-738

Shipper's Name: US Environmental

Carrier's No. BR 1130604

Received, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

From Dimock Twp. (Date) 5/25/10 FROM SRWR/Cabot

Property described below, in apparent good order, except as noted (contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood to mean any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route, or while the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. The shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO SUNBURY GENERATION  
 On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.  
 Destination Old Trail Rd. Street Shamokin Dam City PA State 17876 Zip PA  
 Route Delivery Address\* (To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The filter containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
 Shipper's Imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
 NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Per

Permanent post-office address of shipper.

1

CABOT-EPA 007444

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-739Carrier's Name: US EnvironmentalCarrier's No. Boz #130518

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5/25/10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time heretofore in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO SUnbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17376 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	6300	cal
		2		
REF#		51246		
API#		37-115-20149		
TRUCK#		TR 625		
PLATE#		AF-57940		

\*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

Shipper, Per \_\_\_\_\_

per

Randy Hessel

Agent

Permanent post-office  
address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other (lawful) charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint is in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

1

CABOT-EPA 007445

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-740Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at DIMOCK TWP. (Date) 5/25/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the said company being understood throughout this document as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party in any line interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail by street address for purposes of notification only.)

Consigned TO EMHSMXX Sunbury Generation  
 On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1  
 Destination OLD Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
 County PA State 17875 Zip \_\_\_\_\_  
 Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
 (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water	5000	gal
APPE		51244		
API		37-115-20149		
Truck		#104 Mike		
Label		44A-1776		

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.)

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Chris Spindler (500 60th CT-10-560)

Per \_\_\_\_\_

1

CABOT-EPA 007446

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No. SC-7250 741

Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Two. (Date) 5/25/10 FROM SRWR#/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its said place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party or any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

-Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_

County PA. State 17376 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	5000	gal
		[REDACTED] #2		
AE3#		51244		
AFI#		37-115-20143		
		Truck #105 IDENT		
		Plate# AE 70215		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.  
Shipper's Import is free of stamp; set a pos. of bill of lading approved by the Interstate Commerce Commission.

2

CABOT-EPA 007447

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SC-742Carrier's Name: SPWR

Carrier's No. \_\_\_\_\_

LIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

FROM DIMOCK TWP. (Date) 5/25/10 FROM SPWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or while the territory of its highway operations, otherwise to deliver to another carrier at the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Siamokin Dam City \_\_\_\_\_  
County PA State 1328 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier VCB Car or Vehicle Initials and No. 04/T29

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, value or stamp here. "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

†The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lines of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Street	City	State
1		load water	5000	gal
		██████████ #2		
API#		51244		
API#		37-115-20149		
Trucks#		04/T29		
Plate#		T2011P		

the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper.

Chris Spink (Son Gen CT-P-558)

Per \_\_\_\_\_

1

CABOT-EPA 007448



## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-743Carrier's Name: S. Wase Trucking, S.W.B.

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dilmock Twp. (Date) 5/25/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury Generation

(Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(A To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier VCB Car or Vehicle Initials and No. 04/T29

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)


C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #2			
REF#		51244			
API#		37-115-20149			
Truck#		04/T29			
Plate#		PT2011X			

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's invoice in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

†If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, BG 200 CT-10-562

Per \_\_\_\_\_

1

CABOT-EPA 007449

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2539

Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

IVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5/27/10 FROM SZWR/Cabot

[illegible]

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage  
On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street JOHNSTOWN City

County PA State 15906 Zip

Route \_\_\_\_\_ Delivery Address ★  
 (★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$\_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

**C. O. D.** Charges to be

**Paid by**  
☐ Shipper    ☐ Consignee

If charges are to be prepaid, write on stamp here. "To be Prepaid."

Received \$\_\_\_\_\_ to apply  
in prepayment of the charges on the property  
described herein.

Agent of Castles

Per \_\_\_\_\_  
(The signature here acknowledges only  
the amount prepaid.)

**Charges Advanced:**

**1**

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

Classification: 1  
 1 Shipper's imprint in lieu of stamp; not a part  
 of bill of lading approved by the Interstate  
 Commerce Commission.

**NOTE**—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The amount declared value of the contents is roughly approximately stated by the shipman to be not exceeding

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Ralph Little Shipper, Per.

Permanent post-office  
address of shipper.

Per

CABOT-EPA 007450

Shipper's No. 2540

Carrier's No. \_\_\_\_\_

at Dimock Twp. (Date) 5/27/10 FROM SRWR/Cabot

(Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

(Signature of consignor)

Paid by  
☐ Shipper      ☐ Consignee

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

† The fibre containers used for it conform to the specifications set forth under the certificate thereon, and all other of Rule 41 of the Uniform Freight and Rule 5 of the National Classification.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\_\_\_\_\_

Ed Hale Shipper, Per \_\_\_\_\_

Permanent post-office  
address of shipper.

Per

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-752Carrier's Name: US EnvironmentalCarrier's No. 096403

TIVED, subject to the classifications and tariffs in effect on the date of this Bill of lading.

Dimock Two. (Date) 5/27/10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, (if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said route to destination, and as to each party in any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

(Mail or street address for purposes of notification only.)

Consigned TO SUNbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd.Street Shanokin Dam

City

County

PA

State

17376

Zip

Route

Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier

Car or Vehicle Initials and No.

Collect on Delivery \$

And Remit to

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

1 "The fiber containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

2 Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5600	gal	
		██████████ #2			
XXXXXX		AFE# 51241			
		API# 37-115-20149			
Truck#		622			
Date#		AFSS38L			

...one shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office  
address of shipper,

Per

1

CABOT-EPA 007452

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 3G-753

Carrier's Name: JS Environmental

Carrier's No. 109071

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5/27/10 FROM SRNR/Cabot

the property described below, in apparent good order, except as noted hereon and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time involved in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only)

Consigned TO Sunbury &amp; Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City  
County PA State 17376 ZipRoute \_\_\_\_\_ Delivery Address\*  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

		Street	City	State	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000	gal	
		██████ #2			
ASE#		5122 51244			
API#		37-115-20149			
Truck#		620/669			
Plate#		PT878ZH			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is owner's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per

Agent

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced:

The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Fre Classification.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007453

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 33-754Carrier's Name: US EnvironmentalRC #  
Carrier's No. 130790

P ED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

At Shack Twp. (Date) 5/27/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agree to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operation, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agent.

(Mail or street address for purposes of notification only.)


Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County \_\_\_\_\_ PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

		Street	City	State	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000 <del>10000</del>	gal	
		 42			
AFB		51244			
API		37-115-20149			
Truck #		621-			
Label		XBCT420			

\*If shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

\*The five conditions used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.  
Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

1

CABOT-EPA 007454

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-75545 E 801 # 109441

Carrier's No. \_\_\_\_\_

Carrier's Name: US Environmental

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at DIMOCK TWP. (Date) 5/27/10 FROM E SRMR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery or said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

(Mail or street address for purposes of notification only.)

Consigned TO SUNbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street SHAMOKIN DAM City \_\_\_\_\_County \_\_\_\_\_ PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
AFE#		51244		
API#		37-115-20149		
Truck#		6018		
PLate#		AF 68829		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse to the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

1 "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 31 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

2 Shipper's imprint is lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

per \_\_\_\_\_  
Agent

CABOT-EPA 007455

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 33-750Carrier's Name: US EnvironmentalCarrier's No. 109489

VED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

At DIMOCK TWP. (Date) 5/28/10 FROM SRWR/CABOT

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operation, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property, over all or any portion of said route to destination, and as to each party as any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO SUNbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination OLD Trail Rd. Street SHAMOKIN DAM CityCounty PA State 17876 ZipRoute Delivery Address

(To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply  
in prepayment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced:

\$ 1620/669  
AT 878 2H

† The above containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
‡ Shipper's interest in five of stamps set a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Street	City	State
1		load water	6600	gal
AFEN		51244		
APIX		37-115-20149		
Truck				
PLATE				

\* (If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Agent

Permanent post-office  
address of shipper,

Per

1

CABOT-EPA 007456



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SE-751Carrier's Name: US EnvironmentalBOL # 130791

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Two (Date) 5/23/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shoekin Dam City \_\_\_\_\_County \_\_\_\_\_ PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filed in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Customer

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

(Shipper's imprint in line of stamp; set a part of bill of lading approved by the Interstate Commerce Commission.)

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
AFEE		51244		
APIF		37-115-20149		
Truck		621		
Plate		XBC7420		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007457

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SC-762Carrier's Name: US EnvironmentalBX-1130605  
Carrier's No.

VED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Two. (Date) 5/28/10 FROM SRWR/Cabot

The property described below, in apparent good order except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this document as meaning any person or corporation) in possession of the property under the consignment agrees to carry to its usual place of delivery at said destination, by its own railroad, water, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification, in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO SUnbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City 17376  
County PA State 17376 ZipRoute Delivery Address  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		X Load water	6400 5300	gal
		██████ #2		
AFED		51244		
API		37-115-20149		
TRUCK		G26		
PLATE		PT 8281H		

Received \$ to apply  
in prepayment of the charges on the property described herein.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\*The firm containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 4) of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.

†Shipper's imprint in line of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding:

Shipper, Per BAILEY E

Agent

Permanent post-office address of shipper.

Per

CABOT-EPA 007458

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SS-763Carrier's Name: US EnvironmentalCarrier's No. 109452

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinwiddie Twp. (Date) 5/28/10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company file word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract agrees to carry to its actual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty PA State 17376 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load <del>XXXXXX</del> Water		
		<del>XXXXXX</del> #2		
XX	APR	51244		
API		37-115-20149		
Truck#		620/668		
Plate#		AT 879 JH		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

\_\_\_\_\_, Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if the shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

§ "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification."  
§ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007459

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SC-754Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

IVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5/28/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, it is to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address★ \_\_\_\_\_

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		██████ #2			
AFB#		51244			
API#		37-115-20149			
Truck#		#104 Mike			
date#		4/12-1776			

\*If the shipment moves between persons by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE:—When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Chris Spidell (609 667 07-10-583)

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced \_\_\_\_\_

\$ \_\_\_\_\_

\*The firm containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's Imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007460

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

S.E.

Shipper's No. SG-765Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dinock Twp. (Date) 5/28/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff, if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.


Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County \_\_\_\_\_ PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier VEB TRANS Car or Vehicle Initials and No. 011/T29

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		 #2		
APR		51244		
API		37-115-20149		
TRUCK		011/T29		
PLATE		YT 2014		

\*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, BE 200CT-10-586

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

† "The three containers used for this shipment conform to the specifications set forth in the box-maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification."

‡ Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007461

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-756Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

UNLESS, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinock Twp. (Date) 5/23/10 FROM SNHR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and declared as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is usually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

(Mail or street address for purpose of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County \_\_\_\_\_ PA State 17376 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier ICB TRANS Car or Vehicle Initials and No. Q11/T29

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	N.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		HE [REDACTED] #2			
ASEJ		51244			
APIJ		37-115-20149			
Trucks		Q11/T29			
ates		AT201CP			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

☐ Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
 (The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_  
 1. The (here containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
 2. Shipper's stamp in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Chino Spina (San Gen CT-10-581)

Per \_\_\_\_\_

1

CABOT-EPA 007462

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SC-767Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5/23/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO SUnbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street SHamokin Dam City \_\_\_\_\_County \_\_\_\_\_ State PA Zip 17876

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	N.M.	Street	City	State
1		load water		
		#2		
API#		51244		
API#		37-115-20149		
Truck#		105		
Plate#		AF72415		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_  
\*The firm containers used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
Shipper's Import is lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, Ohio Spicchi (SON GEN CT-16582)Per [Signature]

1

CABOT-EPA 007463

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2546

Shipper's Name: Sarron  
Carrick Trucking

Carrier's No.

/ED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Two. (Date) 5/29/10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this document as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the same to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphlt Rd. Street Johnstown City

County PA State IXX 15906 Zip

Route Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Columns				
1		load water	4620	521
		#2		
XXX	APR#	51244		
	API#	37-115-20149		
Truck#	BLW2	11		
Plate#	44B3785	PT8849P		

\*If the shipment moves between two modes by a carrier by water, this law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Ralph H. H. Shipper, Per

Ager

Permanent post-office  
address of shipper.

Per

Received \$ to apply in prepayment of the charges on the property described hereon.  
Agent or Cashier  
Per (The signature here acknowledges only the amount prepaid.)  
Charges Advanced:  
\$  
\*The Bill of Lading used for this shipment conforms to the specifications set forth in the bill of lading certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
(Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.)

CABOT-EPA 007464



Carrier's Name: ~~Baron~~ ~~Baron~~ Treuking

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Two. (Date) 5/29/10 FROM SRWR/Cabot

[illegible]

Consigned TO Johnstown Regional Sewage (Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage  
On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asenalt Rd. Street JOHNSTOWN City

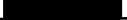
County PA State 15906 Zip

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
 (\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Connection)	Class or Rate	Check Column
1		load water	4520	gal	
		 #2			
375		51244			
307		37-115-20149			
Truck		B17 BUNT			
Pr. 175		40R175 PT6203N			

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Les Raw Shipper, Per

Permanent post-office address of shipper.

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of condoner.)

**C. O. D.** Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
 (The signature here acknowledges only  
 the amount prepaid.)  
 Charles Adamec

† The three containers used for this shipment conform to the specifications set forth in the bill of lading, the certificate thereon, and all other requirements of Rule 4) of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2543

Shipper's Name: Barron KXXXXX Trucking

Carrier's No.

ISSUED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5/29/10 FROM SPB/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Through Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classifications or tariff which govern the transportation of the shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City

County PA State 15906 Zip

Route Delivery Address\*  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write a stamp here, "To be prepaid."

Received \$ to app in prepayment of the charges on the proper described herein.

Agent or Cashier


Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

† "The fibre containers used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

† Shipper's inspect in lieu of stamp, not a part of bill of lading, approved by the Interstate Commerce Commission.

		Street	City	State	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	cal	
		 #2			
ASCE		51244			
APIA		37-115-20149			
TRUCK		B17 BWTJ			
PLATE		44R1715 PTC203N			

† If the shipment moves over two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the motor carrier is required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

1

CABOT-EPA 007466

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2549Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5/29/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any routes of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address ★  
(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

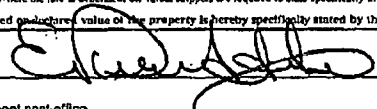
Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water		
		#2		
3524		51244		
3524		37-115-20149		
		Bib & Bw3T		
		APT3454 & XFJ-9960		

\*If the shipment moves between two points by a carrier by water, the law requires that this bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

 Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agen \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The blue warehouse used for this shipment conform to the specifications set forth in the motor carrier's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 3 of the National Motor Freight Classification.  
Shipper's Impression in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007467

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2550Shipper's Name: Sarron Trucking

Carrier's No. \_\_\_\_\_

VED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dinwiddie Twp. (Date) 5/29/10 FROM SRIIR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, and that the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here: "To Be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the motor carrier's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a part of bill of lading, approved by the Interstate Commerce Commission.

No. Packages	H.M.	Street	City	State
		Kind of Package, Description of Articles, Special Marks, and Exceptions		
		Weight (Subject to Correction)		
		Class or Rate		
		Check Column		
1		load water	4620	gal
		#2		
APF#		51244		
API#		37-115-20149		
Truck		B-16 Bw3T		
Plates		AF73482 & XF39960		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent

Permanent post-office address of shipper.

Per \_\_\_\_\_

1

CABOT-EPA 007468

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 3G-763Carrier's Name: US Environmental

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dinwiddie Twp. (Date) 5/29/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, at to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6500 65223	gal	
		#2			
AFE#		51244			
API#		37-115-20149			
Truck#		626			
Plate#		P+8281H			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office  
address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the motor carrier's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

\*Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007469

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-769Carrier's Name: US EnvironmentalCarrier's No. Bol # 131148

IVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinmock Twp. (Date) 5/29/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO SUNbury Genewration

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street SHamokin Dam CityCounty PA State 17876 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
1		load water	6300	241
		#2		
AFB		51244		
API		37-115-20149		
TRUCK		TR 625		
PLATE		AF-57940		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per Randy Hensel

Agent

Permanent post-office address of shipper,

Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply  
in prepayment of the charges on the property described hereon.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The firm containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
Shipper's imprint in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007470

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-770Carrier's Name: US EnvironmentalCarrier's No. Bd # 13147

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dinrock Twp. (Date) 5/29/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this document as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operation, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each order of all or any of said property over all or any portion of said route to destination, and as to each party or any third interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty PA State 17876 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.Collect on Delivery \$ And Remit toStreet City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6300	gal	
		<u>42</u>			
AFEP		51244			
APIE		37-115-20149			
Truck#		TR 625			
Plate#		AF- 57940			

\*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per Randy Hensel

Agent

Permanent post-office address of shipper,

Per

Subject to Section 2 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ 

\*The blue containers used for this shipment conform to the specifications set forth in the b maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007471

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-771Carrier's Name: US EnvironmentalBL-17096436  
Carrier's No.

VED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5/29/10 FROM SRWR/cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old trail Rd. Street Shamokin Dam CityCounty PA State 17876 ZipRoute \_\_\_\_\_ Delivery Address\*  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The above containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp: not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE:—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per \_\_\_\_\_

Per \_\_\_\_\_

Agent

Permanent post-office address of shipper, \_\_\_\_\_

1

CABOT-EPA 007472



Shipper's No. 33-772

Carrier's No. 10382

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-29-10 FROM SRJR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of packages unknown, marked, consigned and destined as shown below, which said company the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of the route, that the carrier shall be bound to observe the terms and conditions of the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City

County PA State 17876 Zip

Route \_\_\_\_\_ Delivery Address★  
 (★To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

**C. O. D. Charges to be**

**Paid by**  
☐ Shipper      ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply  
in prepayment of the charges on the property  
described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only  
the amount prepaid.)

### Charges Advanced

1

† The five containers used for this shipment conform to the specifications set forth in the broker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to stamp specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

pe

- Shipper, Per

Agent

**Permanent post-office  
address of shipper.**

Pe

CABOT-EPA 007473

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-773Carrier's Name: US EnvironmentalBOL # 130792

Carrier's No. \_\_\_\_\_

EIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-29-10 FROM SPWR2Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dr. City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Columns				
1		load water	6000	gal
		2		
REF		51244		
API		37-115-20149		
Truck		621		
Label		XBC 7420		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE —Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of this property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's Impound in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007474

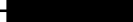
Shipper's No. SAC-774

Carrier's No. \_\_\_\_\_

at Diack Twp. (Date) 5/29/10 FROM SENR/Capt

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 52			
APEN		51244			
APEN		37-115-20149			
Trucks		011 / T29			
Plates		4T2011A			

pe

Agent

Per

Shipper's imprint in lieu of stamp. Not a part of bill of lading approved by the Interstate Commerce Commission.

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-775Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

IVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5/29/10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury Generation

(Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County \_\_\_\_\_ PA State 17276 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	5000	gal
		██████████ #2		
AFEN		51244		
API		37-115-20149		
Truck #		#104 Mike		
Plate		442-1776		

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's Imprint in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, RG 2nd

Per \_\_\_\_\_

CT-10-592

1

CABOT-EPA 007476

Shipper's No. 53-776

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at DIMOCK TWP. (Date) 5/29/10 FROM CRRL/Cabot

The property described below, in copperas metal units, consists of such ironwork and condition of contents of packages as follows, marked, consigned, and delivered as shown below, which will supply (that word) company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agreed to carry to its usual place of delivery on said destination, if at its own railroad, water line, highway route or routes, or within the territory of the highway corporation, otherwise to deliver to another carrier on the same to said destination. It is mutually agreed, as, in each carrier of all or any of said property over all or any portion of said route in destination, and up to each party at any point interested in all or any of said property, from every service to be performed hereunder shall be subject to the rules and regulations of the carrier serving the same. The Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, on file in the classification of tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his consignees.

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street SEamokin Dam City

County PA State 17876 Zip

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
 (\*To be filled in only when shipper desires and governing tariff provides for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Package	HM	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Gals or Pals	Check Column
1		load water	5000	gal	
		██████ #2			
FE#		51224			
API#		37-115-20149			
Truck#		105			
Plat#		AF-72215			

\*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carriage of or shipper's weight.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\_\_\_\_\_  
Shipper, Per

Permanent post-office  
address of shipper,

Per

Agent

Subject to Article 7 of conditions, if this shipment is to be delivered to the consignee without recourse to the consignee, the consignee shall sign the following statement:

The owner shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

**C. O. D. Charges to be**

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply  
in payment of the charges on the property  
described herein.

Agave or Cactus

Per \_\_\_\_\_  
(The signatures were acknowledged only  
the amount provided.)

**Charges Adversely:**

3

4. The above containers used for this shipment conform to the specifications set forth in the Bureau's certificate thereon, and all other requirements of Rule 51 of the Uniform Freight Classification, and Rule 3 of the National Motor Freight Classification.

5. Shipper's interest in lieu of stamp not a part of bill of lading required by the Interstate Commerce Commission.

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-777Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

EIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dinwiddie Twp. (Date) 5-29-10 FROM SENECA/Canot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty DA State 17876 Zip

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier LCB TRUCKS Car or Vehicle Initials and No. 011/T29

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street		City		State	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions		*Weight (Subject to Correction)	Class or Rate
1		load water		5000	gal
		#2			
AFE#		51244			
ABI#		37-115-20149			
Truck#		011/T29			
Inter#		AT2010			

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
Shipper's Impulse in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007478

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2551Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of lading.

at Dinock twp. (Date) 5-30-10 FROM SRWR/cabot

The property described below, in apparent good order, except as noted hereon, is consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Aspsalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
*Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	4620	gal
		#2		
AFB		51244		
FBI		37-115-20149		
Truck		P-1/2 P10ST		
Plate		AT-73454 & VET-9940		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on weight, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_  
Permanent post-office address of shipper. \_\_\_\_\_  
Ager \_\_\_\_\_  
Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Carrier

Per \_\_\_\_\_  
(The signee here acknowledges only the amount prepaid.)

Charges Advanced

\$ \_\_\_\_\_  
\*The five conditions used for this shipment conform to the specifications set forth in the motor carrier's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007479

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2552

Shipper's Name: Barron Trucking

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimockt Wp. (Date) 5-30-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, counted, and delivered as shown below, which said company the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any route of said route to destination, and as to each party at any time intervening in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Aspaht Rd. Street Johnstown City  
County PA State 15906 Zip

Route Delivery Address\*  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

No. Packages	H.M.	Street	City	State
1		load water		
		51244		
		37-115-20149		
		BI) BOST		
		YAR1215 PT 6-203N		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Permanent post-office address of shipper.

Per

Subject to Section 1 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write a stamp here: "To be Prepaid."

Received \$ to app in payment of the charges on the property described herein.

Agent or Cashier

Per  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The three conditions used for this shipment conform to the specifications set forth in the bill of lading's conditions thereon, and all other regulations of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint is flow of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007480



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 21553Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-30-10 FROM SPWR/.cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown, marked, consigned, and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every article to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
		Weight (Subject to Correction)		Class or Rate
				Check Column
1		load water	4520	gal
AFEE		51244		
APIE		37-115-20149		
Truck		BW-3 - 11		
Plate		YYB 3789 PT 8849P.A.		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Ralph Hottle Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write a sum here. "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007481

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2554Carrier's Name: Dively Trucking

Carrier's No. \_\_\_\_\_

ISSUED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5-30-10 FROM SRWR/cabot

The property described below, in apparent good order, except as noted (quantity and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the ward company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property, over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) is the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)Delivering Carrier Dively Trucking Car or Vehicle Initials and No. 004

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	4620	gal
		#2		
APIX		51244		
APIX		37-115-20149		
Truck#		004		
Plate#		AF 75286		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rule is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse to the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The three conditions used for this shipment conform to the specifications set forth in the bill of lading's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007482

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2555Carrier's Name: Sarron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of lading,

at DIMOCKT MO. (Date) 5-30-10 FROM SRRS/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery or said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party to any time increased in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphaltic Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	4620	gal
		#2		
REF#		51244		
API#		37-115-20149		
Truck#		B16 @ BWT		
Plate#		AP73454 @ XF59960		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_ Agent \_\_\_\_\_  
Permanent post-office address of shipper, \_\_\_\_\_ Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

S \_\_\_\_\_  
† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.  
‡ Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

CABOT-EPA 007483

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-773USE # 109442Carrier's Name: US Environmental

Carrier's No. \_\_\_\_\_

EIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5-30-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agent.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address★ \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	6000	gal
		#2		
APR 2		51244		
APR 2		37-115-20148		
APR 2		618		
APR 2		A F 68829		

NOTE: If the shipment is between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE: When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Clerk

Per \_\_\_\_\_  
(The signature here acknowledges only the amount received.)

Charges Advanced:

\$ \_\_\_\_\_

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's Invoice is filed in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

per \_\_\_\_\_

\_\_\_\_\_ Agent

CABOT-EPA 007484

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. NSC-773Carrier's Name: US EnvironmentalBL-211739  
Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinock Two. (Date) 5-30-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party in any time interest in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam CityCounty PA State 17876 ZipRoute Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	<del>6260</del>	gal	
		<u>51244</u>			
		<u>37-115-20149</u>			
		<u>626</u>			
		<u>PL8281H</u>			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE:—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

\_\_\_\_\_, Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To Be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_  
†The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 31 of the Uniform Freight Classification, and Rule 5 of the National Motor Freight Classification.  
Shipper's initials in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

Agent

CABOT-EPA 007485

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-720Carrier's Name: US EnvironmentalCarrier's No. BOL# 131143

WED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

At Simcock Two (Date) 5-30-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)


Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street		City		State	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	gal	
		 #2			
APEN#		51244			
API#		37-115-20149			
Truck#		TR 625			
plate#		AF- 57940			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

Shipper, Per \_\_\_\_\_

per

Randy Acord

Agent

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by  
☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)  
Charges Advanced:

\$ \_\_\_\_\_

\*The three consignees used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007486

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. EG-781Carrier's Name: US EnvironmentalCarrier's No. 131142

RECEIVED, subject to the classifications and tariffs in effect on the date of this Bill of lading.

at Dinwiddie Twp. (Date) 5-30-10 FROM SPRUE/Cabot

The property described below, is apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as including any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17875 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariff provides for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		Xload water	6000	cal	
		██████████ #2			
AFE#		51244			
RPI#		37-115-20149			
Truck #		622			
Plate #		AF55386			

\*If the shipment moves between two parts by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per W.H.C. Smith

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced \_\_\_\_\_

\$ \_\_\_\_\_

† The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡ Shipper's Import is free of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007487

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SE-732Carrier's Name: US Environmental

Carrier's No. \_\_\_\_\_

IVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dinrock Two. (Date) 5-30-10 FROM SEWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to such party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Genetraction

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

		Street	City	State	
No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	6000	gal	
		██████ E #2			
AFEN		51244			
APIA		37-115-20149			
Truck#		TR 625			
Plate#		AF- 57940			

\*If the shipment moves between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Carrier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

†The fine containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

‡Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

per

Randy Hessel

Agent

Permanent post-office address of shipper: \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007488



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-783Carrier's Name: US EnvironmentalCarrier's No. BL-111740

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimock Twp. (Date) 5-30-10 FROM ERNR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	N.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	6000	gal
AFEX		51244		
APIA		37-115-20149		
TRUCK		626		
Plate		PT 8281H		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The five containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's Imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

1

CABOT-EPA 007489



## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-785Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Dimock Twp. (Date) 5-30-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted contents and condition of contents of packages unknown, marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agree to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway, route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) is the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_County PA State 17876 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier LCB TRANSCar or Vehicle Initials and No. 2004/T29

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	5000	cal	
		42			
3224		51244			
3014		37-115-20149			
THRU		04/T29			
PLATE		YT 2014			

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

5-30-10

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\$ \_\_\_\_\_

†The five containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

\*Shipper's Impost in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007491

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. SG-736Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

VED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

At Dimock Twp. (Date) 5-30-10 FROM SRNR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water, highway, or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back hereof, and that he is the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination Old Trail Rd. Street Shanokin Dam City \_\_\_\_\_  
County DA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ \_\_\_\_\_

\*The five conditions used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's Impost in lieu of cargo, not a part of bill of lading, approved by the Interstate Commerce Commission.

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	255000	cal	
		22			
APR		51244			
API		37-115-20149			
Truck		#104 MIVE			
Se		4489776			

\*On shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is owner's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

CT-10-603

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CABOT-EPA 007492

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. SG-787Carrier's Name: C. Haer Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at Dimock Twp. (Date) 5-30-10 FROM SPHR/cabot

the property described herein, in agreement good order, except as noted (excepts) and condition of contents, of packages, contents, and condition of property, which said company (the word company being understood throughout this document) is receiving any person or persons in possession of the property under the contract agreed to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or which the territory of its highway operations, schedule to deliver in furtherance of the contract to said destination. It is mutually agreed, as to each carrier of all or any of said property, over all or any portion of said route to destination, and as to each party at any time involved in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Customs and Practice for International Trade Documents (UCP) as published by the International Chamber of Commerce, and to the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO Sunbury Generation

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Part 420, Sec. 1.

Destination Old Trail Rd. Street Shamokin Dam City \_\_\_\_\_  
County PA State 17876 Zip \_\_\_\_\_Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery direct.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	Unit	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
		Weight (Subject to Correction)		Class or Rate
				Check Column
1		load water	5000	gal
		<u>#2</u>		
SPHR		51264		
API		37-115-20149		
Truck		105		
PL		AF-72215		

\*If one shipment marks between two points by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ or \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse as the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be Prepaid."

Retained \$ \_\_\_\_\_ to apply in payment of the charges on the property described herein.

Agent or Clerk

For \_\_\_\_\_  
(The signature here authorizes only the amount prepaid.)

Charges Advanced

1 "The line consists of all the shipper's property in the specifications set forth in the box master's invoice terms, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

\*Shipper's Invoice is the stamp on a part of bill of lading approved by the Interstate Commerce Commission.

Shipper, Per \_\_\_\_\_

Agent \_\_\_\_\_

Permanent post-office address of shipper, BE 200

Per \_\_\_\_\_

CT-10-6031

CABOT-EPA 007493

## STRAIGHT BILL OF LADING— SHORT FORM

ORIGINAL - NOT NEGOTIABLE

Shipper's No. 2556

Shipper's Name: Sarron Trucking

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Dimock Two. (Date) 5-31-10 FROM SRWR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, street line, highway route or route, or within the territory of its highway operations, otherwise to deliver at another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Through Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regionals ewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City

County PA State 15906 Zip

Route Delivery Address★ (★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign in following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write on stamp here, "To be prepaid."

Received \$ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Ad's amount:

\$

1 "The above containers used for this shipment conform to the specifications set forth in the carrier's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

Shipper's imprint in lieu of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	4520	cal
		#2		
APR 4		51244		
APT 4		37-115-20149		
TRUCK		B11 BOW2T		
PLATE		14R1715 PTG203N		

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE — Where the rate is based on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

1

CABOT-EPA 007494

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2557Carrier's Name: Barron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading.

at Dimockt W2. (Date) 5-31-10 FROM SRNR/Cabot

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its initial place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regionals ewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address \_\_\_\_\_

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
Kind of Package, Description of Articles, Special Marks, and Exceptions				
Weight (Subject to Correction)				
Class or Rate				
Check Column				
1		load water	4620	gal
		42		
API#		51244		
API#		37-115-20149		
Truck#		BW-3-11		
Plate#		YYB3789 PI8849AR		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property, if hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Ralph Hottel Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agen \_\_\_\_\_

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee, the consignee shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper☐ Consignee

If charges are to be prepaid, write or stamp here, "To be prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint is free of stamp, not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007495

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2558

Shipper's Name: Baron Trucking

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Dimock Twp. (Date) 5-31-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party as any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regionals ewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City  
County PA State 15906 ZipRoute Delivery Address\*  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereto.)

Delivering Carrier Car or Vehicle Initials and No.

Collect on Delivery \$ And Remit to

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignee, the consignee shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignee)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

No. Packages	H.M.	Street	City	State
1		load water		
APESW		51244		
APIA		37-115-20149		
UOLW		B-17-BW2T		
plates		YYR1715R-PT6203N2R		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Sharon Baron Shipper, Per

Ager

Permanent post-office address of shipper,

Per

Received \$ to apply in payment of the charges on the property described hereon.

Agent or Cashier

Per

(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

\*The free conditions used for this shipment conform to the specifications set forth in the carrier's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

CABOT-EPA 007496



# WHT BILL OF LADING— SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2559

Carrier's Name: MBarron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Edinock Twp (Date) 5-31-10 FROM SRWR/Cabot

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway, rail or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Freight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regional Sewage

On Collect on Delivery Shipments, the letters "C.O.D." must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 241 Asphalt Rd. Street Johnstown City \_\_\_\_\_  
County PA State 15906 Zip \_\_\_\_\_

Route \_\_\_\_\_ Delivery Address\* \_\_\_\_\_  
(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier \_\_\_\_\_ Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_ And Remit to \_\_\_\_\_

No. Packages	H.M.	Street	City	State
1		load water	4520	gal
		<u>51244</u>		
		<u>37-115-20149</u>		
		<u>BW-3 - 11</u>		
		<u>Y763789 - P.T0849P-Pa</u>		

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.  
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_ per \_\_\_\_\_

Ralph Hottel Shipper, Per \_\_\_\_\_

Permanent post-office address of shipper, \_\_\_\_\_

Per \_\_\_\_\_

Agent \_\_\_\_\_

Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without receipt on the consignor, the consignor shall sign a following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write a stamp here, "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in payment of the charges on the property described hereon.

Agree to Cashier \_\_\_\_\_

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced: \_\_\_\_\_

\*The three counters used for this shipment conform to the specifications set forth in the maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

1

CABOT-EPA 007497

## STRAIGHT BILL OF LADING—SHORT FORM

ORIGINAL — NOT NEGOTIABLE

Shipper's No. 2560Carrier's Name: Baron Trucking

Carrier's No. \_\_\_\_\_

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

Dimock Twp.

(Date)

5-31-10FROM SNWR/Cabot

are property described below, in apparent good order, except as noted contents and condition of contents of packages unknown, marked, consigned, and drawn as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination. If on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO Johnstown Regionaols ewage

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

Destination 241 Asphalt Rd.

Street

Johnstown

City

County

PA

State

15905

Zip

Route

Delivery Address\*

(\*To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier

Car or Vehicle Initials and No. \_\_\_\_\_

Collect on Delivery \$ \_\_\_\_\_

And Remit to \_\_\_\_\_

Street

City

State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	Weight (Subject to Correction)	Class or Rate	Check Column
1		load water	4620	gal	
		<u>#2</u>			
APPA		51244			
APIA		37-115-20145			
Truck		BW 1 MAR 50T# 5L181			
Latp		YXT5201			

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:  
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be

Paid by

☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ \_\_\_\_\_ to apply in prepayment of the charges on the property described herein.

Agent or Cashier

Per \_\_\_\_\_  
(The signature here acknowledges only the amount prepaid.)

Charges Advanced

\$

\*The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification.

†Shipper's stamp in lieu of stamp not a part of bill of lading approved by the Interstate Commerce Commission.

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

BILL DRAVER

Shipper, Per

Agent

Permanent post-office address of shipper,

Per

1

CABOT-EPA 007498



**Wayne Township Landfill**  
*Innovative. Responsible. Committed to You.*

PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 399594  
DATE: 5/21/2010  
TIME: 10:53:02 - 11:44:47

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC1/N 3049.96 E 11444.40 ELE 648.69  
COMMENT:

GROSS: 63320 LBS Scale  
TARE: 35840 LBS Scale  
NET: 27480 LBS  
TONS: 13.74 TNS

MANIFEST: S239867

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.74	@ \$29.50 per Ton	\$405.33
TOTAL FEES:					\$144.28
TOTAL AMOUNT:					\$549.61

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$405.33
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.18
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.48
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$58.40
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.22

DRIVER: Fri May 2010 05/21/10 11:44:48

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007499

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No <u>5239867</u>	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# <u>900</u>
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE					DATE
<i>[Signature]</i>					<u>5-21-10</u>
TRANSPORTER - DRIVER SIGNATURE					DATE
<i>[Signature]</i>					<u>5-21-10</u>
LANDFILL WASTE INSPECTOR SIGNATURE					DATE
<i>[Signature]</i>					<u>5-21-10</u>
WEIGHMASTER SIGNATURE					DATE
<i>[Signature]</i>					<u>5-21-10</u>
LICENSE#					TIME (AM / PM)
<u>70953</u>					<u>11:44</u>



PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 399603  
DATE: 5/21/2010  
TIME: 11:00:09 - 12:00:48

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC1/N 3049.96 E 11444.40 ELE 648.69  
COMMENT:

GROSS: 64200 LBS Scale  
TARE: 35440 LBS Scale  
NET: 28760 LBS  
TONS: 14.38 TNS

MANIFEST: S192162

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.38	@ \$29.50 per Ton	\$424.21
				TOTAL FEES:	\$151.00
				TOTAL AMOUNT:	\$575.21

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$424.21
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.98
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.76
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$61.12
HOST COUNTY FEE: @ \$3.00 PER TON	\$43.14

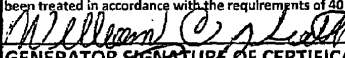
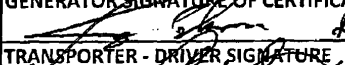


DRIVER: Fri May 2010 05/21/10 12:00:47

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007501

CABOT-EPA 007502

Wayne Township-Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>S192162</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# <u>797</u>
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
 GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
 TRANSPORTER - DRIVER SIGNATURE			WH# & MO/YR EXPIRATION 4H0254 APRIL 2011	
 LANDFILL WASTE INSPECTOR SIGNATURE			DATE 5-21-10	
 WEIGHMASTER SIGNATURE			ACCEPTED 70953 5-21-10 REJECTED 12:00	
			LICENSE# DATE TIME (AM / PM)	

DIM0227454

DIM0228735



PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 399623  
DATE: 5/21/2010  
TIME: 11:54:08 - 12:50:53

TRUCK: FCI 776  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC1/N 3049.96 E 11444.40 ELE 648.69  
COMMENT:

GROSS: 77460 LBS Scale  
TARE: 36880 LBS Scale  
NET: 40580 LBS  
TONS: 20.29 TNS

MANIFEST: WH0754

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	20.29	@ \$29.50 per Ton	\$598.56
TOTAL FEES:					\$213.04
TOTAL AMOUNT:					\$811.60

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$598.56
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$25.36
PA RECYCLING FEE: @ \$2.00 PER TON	\$40.58
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$86.23
HOST COUNTY FEE: @ \$3.00 PER TON	\$60.87

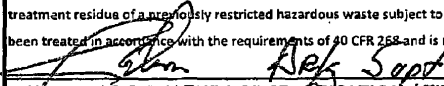
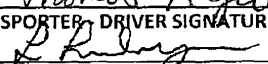


DRIVER:

Fri May 2010 05/21/10 12:50:52

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007503

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	WH0953
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	PCB (3-letter code)
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
Truck#		776		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
 Thomas Hayelton		5-21-10		
TRANSPORTER / DRIVER SIGNATURE		DATE		
 Driver		APRIL 2011 5-21-10		
LANDFILL WASTE INSPECTOR SIGNATURE		DATE		
 Inspector		70953 ACCEPTED 5-21-10 12:5		
WEIGHMASTER SIGNATURE		TIME (AM / PM)		
 Weighmaster		12:5		





**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 399904  
DATE: 5/24/2010  
TIME: 07:31:05 - 08:11:20

TRUCK: RED900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC1/N 3049.96 E 11444.40 ELE 648.69  
COMMENT:

GROSS: 72480 LBS Scale  
TARE: 37180 LBS Scale  
NET: 35300 LBS  
TONS: 17.65 TNS

MANIFEST: S239868

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.65 @ \$29.50 per Ton	\$520.68
			TOTAL FEES:	\$185.32
			TOTAL AMOUNT:	\$706.00

FEES COMPRISED OF THE FOLLOWING:

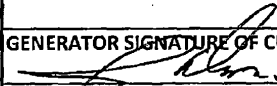


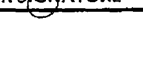
DISPOSAL/SERVICES:	\$520.68
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.06
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.30
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$75.01
HOST COUNTY FEE: @ \$3.00 PER TON	\$52.95

DRIVER: Mon May 24 2010 05:24:10 08 11:19

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007505

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	<u>S 239868</u>
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
Truck#		900		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE
				5-21-10
TRANSPORTER - DRIVER SIGNATURE		TWH# & MO/YR EXPIRATION		DATE
		4-11		5-24-10
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED
		70953 5-24-10		8:11
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
				

CABOT-EPA 007506

DIM0227454

DIM0228739



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JOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 399907  
DATE: 5/24/2010  
TIME: 07:34:38 - 08:17:24

TRUCK: RED797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 81240 LBS Scale  
TARE: 37120 LBS Scale  
NET: 44120 LBS  
TONS: 22.06 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC1/N 3049.96 E 11444.40 ELE 648.69  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	22.06	@ \$29.50 per Ton	\$650.77
				TOTAL FEES:	\$231.64
				TOTAL AMOUNT:	\$882.41

FEES COMPRISED OF THE FOLLOWING:

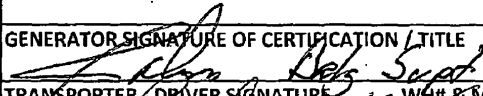
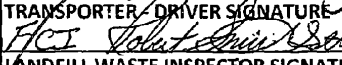
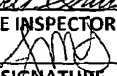
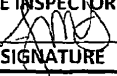
DISPOSAL/SERVICES:	\$650.77
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$27.58
PA RECYCLING FEE: @ \$2.00 PER TON	\$44.12
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$93.76
HOST COUNTY FEE: @ \$3.00 PER TON	\$66.18

DRIVER: Mon May 2010 06/24/10 08:17:22

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: JESSICA - 70953

[www.waynetwplandfill.com](http://www.waynetwplandfill.com) E-MAIL: [ccswa@waynetwplandfill.com](mailto:ccswa@waynetwplandfill.com)

CABOT-EPA 007507

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	192372
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
Truck#		797		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
			5-21-10	
TRANSPORTER / DRIVER SIGNATURE			DATE	
			5-21-10	
LANDFILL WASTE INSPECTOR SIGNATURE			DATE	
			5-24-10	
WEIGHMASTER SIGNATURE			DATE	
			5-24-10	
LICENSE#			TIME (AM / PM)	
70953			8:17	



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400105  
DATE: 5/24/2010  
TIME: 15:14:04 - 16:05:46

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC1/N 3049.96 E 11444.40 ELE 648.69  
COMMENT:

GROSS: 56480 LBS Scale  
TARE: 35300 LBS Scale  
NET: 21180 LBS  
TONS: 10.59 TNS

MANIFEST: 192373

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	10.59	@ \$29.50 per Ton	\$312.41
				TOTAL FEES:	\$111.20
				TOTAL AMOUNT:	\$423.61

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$312.41
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$13.24
PA RECYCLING FEE: @ \$2.00 PER TON	\$21.18
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$45.01
HOST COUNTY FEE: @ \$3.00 PER TON	\$31.77

IN OPERATOR: JESSICA - 70953

DRIVER: Mon May 2010 05/24/10 16:05:45

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007509

CABOT-EPA 007510

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No 192373	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier (3-letter code)	Truck# 797
Customer/Charge To		809 (3-digit number)	Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.				
FCI Robert Smith		WH054 5/11		5-24-10
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		5-24-10
TRANSPORTER DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE
LANDFILL WASTE INSPECTOR SIGNATURE		78953		ACCEPTED 5-24-10 REJECTED 4:05
WEIGHMASTER SIGNATURE		LICENSE#		DATE TIME (AM / PM)

DIM0227454

DIM0228743



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400109  
DATE: 5/24/2010  
TIME: 15:16:56 - 16:20:19

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC1/N 3049.96 E 11444.40 ELE 648.69  
COMMENT:

GROSS: 75660 LBS Scale  
TARE: 35860 LBS Scale  
NET: 39800 LBS  
TONS: 19.90 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	19.90	@ \$29.50 per Ton	\$587.05
				TOTAL FEES:	\$208.96
				TOTAL AMOUNT:	\$796.01

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$587.05
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$24.88
PA RECYCLING FEE: @ \$2.00 PER TON	\$39.80
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$84.58
HOST COUNTY FEE: @ \$3.00 PER TON	\$59.70

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953  
DRIVER: Mon May 2010 05/24/10 16:20:19

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007511

CABOT-EPA 007512

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No
Generator Name		Cabot Oil & Gas Corporation	
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY	
Contact Name		Chris Lowman	Cell# 412-580-8659 Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code) Truck# 900
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE		PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010		100%
TOTAL PERCENTAGE			100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>			
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED
WEIGHMASTER SIGNATURE		LICENSE#	DATE
			TIME (AM / PM)

DIM0227454

DIM0228745





**Wayne Township Landfill**  
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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400217  
DATE: 5/25/2010  
TIME: 10:54:41 - 11:37:07

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC1/N 3049.96 E 11444.40 ELE 648.69  
COMMENT:

GROSS: 78100 LBS Scale  
TARE: 36160 LBS Scale  
NET: 41940 LBS  
TONS: 20.97 TNS

MANIFEST: 192374

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	20.97 @ \$29.50 per Ton	\$618.62
			TOTAL FEES:	\$220.18
			TOTAL AMOUNT:	\$838.80

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$618.62
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$26.21
PA RECYCLING FEE: @ \$2.00 PER TON	\$41.94
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$89.12
HOST COUNTY FEE: @ \$3.00 PER TON	\$62.91

DRIVER: Tue May 2010 05/25/10 11:37:05

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007513

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	192374
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# 797
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
F.C.I. Robert Smith		WH0754	5-11	5-25-10
GENERATOR SIGNATURE / TITLE		DATE		
TRANSPORTER - DRIVER SIGNATURE		DATE		
LANDFILL WASTE INSPECTOR SIGNATURE		DATE		
WEIGHMASTER SIGNATURE		DATE		
LICENS#		DATE		
TIME (AM/PM)		11:37		



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100 BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400225  
DATE: 5/25/2010  
TIME: 11:12:31 - 11:51:49

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC1/N 3049.96 E 11444.40 ELE 648.69  
COMMENT:

GROSS: 67300 LBS Scale  
TARE: 37540 LBS Scale  
NET: 29760 LBS  
TONS: 14.88 TNS

MANIFEST: S239870

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.88 @ \$29.50 per Ton	\$438.96
			TOTAL FEES:	\$156.24
			TOTAL AMOUNT:	\$595.20

**FEES COMPRISED OF THE FOLLOWING:**

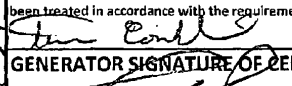



DISPOSAL/SERVICES:	\$438.96
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18.60
PA RECYCLING FEE: @ \$2.00 PER TON	\$29.76
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$63.24
HOST COUNTY FEE: @ \$3.00 PER TON	\$44.64

DRIVER: Thu May 20 10 05/25/10 11:51:48

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007515

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	5259870
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# 900
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
		4-11		5-25-10
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
		Relc Supd.		5-25-10
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE
		X		
LANDFILL WASTE INSPECTOR SIGNATURE		70953		ACCEPTED
		5-25-10		REJECTED
WEIGHMASTER SIGNATURE		LICENSE#		DATE
				TIME (AM / PM)
				11:52



**Wayne Township Landfill**  
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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400316  
DATE: 5/25/2010  
TIME: 14:38:01 - 15:30:05

TRUCK: FCI 796  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CABOT 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2987/N 3116.05 E 11087.69 ELE 653.78  
COMMENT:

GROSS: 82560 LBS Scale  
TARE: 37900 LBS Scale  
NET: 44660 LBS  
TONS: 22.33 TNS

MANIFEST: S190059

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	22.33 @ \$35.50 per Ton	\$792.72
			TOTAL FEES:	\$100.48
			TOTAL AMOUNT:	\$893.20

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$792.72
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$27.91
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$5.58
HOST COUNTY FEE: @ \$3.00 PER TON	\$66.99

DRIVER: Tue May 2010 05/26/10 15:30:03

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007517

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>3190059</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		<u>2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY</u>		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	<u>CAB2</u> (3-letter code)	Carrier	(3-letter code)	Truck# <u>796</u>
Customer/Charge To	<u>809</u> (3-digit number)	Origin	<u>58</u> (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
<u>801</u>	<u>drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010</u>			100%
	<u>wood for cover</u>			
TOTAL PERCENTAGE				100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			<u>5-25-2010</u>	DATE
<u>[Signature]</u>			<u>9/11</u>	<u>WH 0754</u>
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
<u>[Signature]</u>		<u>7</u>	<u>5/25/2010</u>	
LANDFILL WASTE INSPECTOR SIGNATURE		<u>70953</u>	ACCEPTED	REJECTED
<u>[Signature]</u>		<u>5-25-10</u>	<u>3:31</u>	
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM/ PM)
<u>[Signature]</u>				

CABOT-EPA 007518

DIM0227454

DIM0228751



PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400358  
DATE: 5/26/2010  
TIME: 07:28:21 - 08:02:35

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 64760 LBS Scale  
TARE: 37140 LBS Scale  
NET: 27620 LBS  
TONS: 13.81 TNS

MANIFEST: S239871

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.81	@ \$29.50 per Ton	\$407.40
				TOTAL FEES:	\$145.00
				TOTAL AMOUNT:	\$552.40

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$407.40
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.26
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.62
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$58.69
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.43

DRIVER: Wed May 2010 06/26/10 08:02:34

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007519

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>5239871</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# <u>900</u>
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
<i>FCI Tim Conkle</i> 4-11 0754			5-25-10	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE
<i>[Signature]</i> LANDFILL WASTE INSPECTOR SIGNATURE		70953 LICENSE#		ACCEPTED 5-26-10 DATE
WEIGHMASTER SIGNATURE		DATE		TIME (AM / PM)
<i>[Signature]</i>		5-26-10		8:00





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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400368  
DATE: 5/26/2010  
TIME: 07:31:17 - 08:25:44

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CABOT 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 60060 LBS Scale  
TARE: 35220 LBS Scale  
NET: 24840 LBS  
TONS: 12.42 TNS

MANIFEST: 192375

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.42 @ \$29.50 per Ton	\$366.39
			TOTAL FEES:	\$130.42
			TOTAL AMOUNT:	\$496.81

**FEEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$366.39
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.53
PA RECYCLING FEE: @ \$2.00 PER TON	\$24.84
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$52.79
HOST COUNTY FEE: @ \$3.00 PER TON	\$37.26

DRIVER: Wed May 26 2010 06:28:10 09:25 42

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007521

CABOT-EPA 007522

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	192375
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			5-25-2010	DATE
FCI Robert Smith			640754 5-11	5-25-10
TRANSPORTER - DRIVER SIGNATURE			WH# & MO/YR EXPIRATION	DATE
2 Kelly			2	
LANDFILL WASTE INSPECTOR SIGNATURE			ACCEPTED	REJECTED
AMO			70955 5-26-10	8:25
WEIGHMASTER SIGNATURE			LICENSE#	DATE TIME (AM/PM)

DIM0227454

DIM0228755



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1 BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400391  
DATE: 5/26/2010  
TIME: 08:15:48 - 09:10:07

TRUCK: FCI 796  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 65800 LBS Scale  
TARE: 36900 LBS Scale  
NET: 28900 LBS  
TONS: 14.45 TNS

MANIFEST: S190060

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.45 @ \$29.50 per Ton	\$426.28
			TOTAL FEES:	\$151.72
			TOTAL AMOUNT:	\$578.00

**FEEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$426.28
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18.06
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.90
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$61.41
HOST COUNTY FEE: @ \$3.00 PER TON	\$43.35

DRIVER: Wed May 26 2010 09:28:10 08 10:07

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007523

CABOT-EPA 007524

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>5190060</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code) Truck#
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	5-25-2010
TRANSPORTER - DRIVER SIGNATURE			WH# & MO/YR EXPIRATION	DATE
LANDFILL WASTE INSPECTOR SIGNATURE			70953	ACCEPTED 5-26-10
WEIGHMASTER SIGNATURE			LICENSE#	DATE
				TIME (AM/PM) 9:10

DIM0227454

DIM0228757



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10 BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400543  
DATE: 5/26/2010  
TIME: 15:08:31 - 15:59:13

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 70720 LBS Scale  
TARE: 36200 LBS Scale  
NET: 34520 LBS  
TONS: 17.26 TNS

MANIFEST: 192376

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.26	@ \$29.50 per Ton	\$509.17
				TOTAL FEES:	\$181.24
				TOTAL AMOUNT:	\$690.41

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$509.17
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.58
PA RECYCLING FEE: @ \$2.00 PER TON	\$34.52
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$73.36
HOST COUNTY FEE: @ \$3.00 PER TON	\$51.78

DRIVER: Wed May 2010 05/26/10 15:59:12

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007525

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	192376
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# 797
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE		DATE		
F.C.I. Robert Smith		5-26-2010		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
[Signature]		WH0754	5-11	
LANDFILL WASTE INSPECTOR SIGNATURE		70953	ACCEPTED	REJECTED
[Signature]		5-26-10	3:59	
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM/PM)



**Wayne Township Landfill**  
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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400545  
DATE: 5/26/2010  
TIME: 15:11:40 - 16:02:52

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 69920 LBS Scale  
TARE: 35720 LBS Scale  
NET: 34200 LBS  
TONS: 17.10 TNS

MANIFEST: S239872

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.10 @ \$29.50 per Ton	\$504.45
			TOTAL FEES:	\$179.56
			TOTAL AMOUNT:	\$684.01

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$504.45
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.38
PA RECYCLING FEE: @ \$2.00 PER TON	\$34.20
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$72.68
HOST COUNTY FEE: @ \$3.00 PER TON	\$51.30

DRIVER:

Wed May 26 2010 05:26:10 18:02:51

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007527

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	<u>S 239872</u>
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# <u>900</u>
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
<u>FCI [Signature]</u>			<u>5-26-2010</u>	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
<u>[Signature]</u>		<u>0754 4-11</u>	<u>5-28-10</u>	
LANDFILL WASTE INSPECTOR SIGNATURE		70953	ACCEPTED	REJECTED
<u>[Signature]</u>		<u>5-26-10</u>	<u>X</u>	<u>4:00</u>
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
<u>[Signature]</u>				





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PO BOX 209, MCCLHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400557  
DATE: 5/26/2010  
TIME: 15:56:16 - 16:31:14

TRUCK: FCI 796  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CABOT 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 76700 LBS Scale  
TARE: 36440 LBS Scale  
NET: 40260 LBS  
TONS: 20.13 TNS

MANIFEST: S190061

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	20.13 @ \$29.50 per Ton	\$593.84
			TOTAL FEES:	\$211.36
			TOTAL AMOUNT:	\$805.20

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$593.84
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$25.16
PA RECYCLING FEE: @ \$2.00 PER TON	\$40.26
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$85.55
HOST COUNTY FEE: @ \$3.00 PER TON	\$60.39

IN OPERATOR: JESSICA - 70953

DRIVER: Wed May 26 2010 05:26:10 10:31:13

OUT OPERATOR: JESSICA - 70953

[www.waynetwplandfill.com](http://www.waynetwplandfill.com) E-MAIL: [ccswa@waynetwplandfill.com](mailto:ccswa@waynetwplandfill.com)

CABOT-EPA 007529

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>5190061</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DiMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
<i>[Signature]</i>			5-26-2010	
TRANSPORTER - DRIVER SIGNATURE			DATE	
<i>[Signature]</i>			5/26/2010	
LANDFILL WASTE INSPECTOR SIGNATURE			DATE	
<i>[Signature]</i>			5-26-10	
WEIGHMASTER SIGNATURE			DATE	
<i>[Signature]</i>			5-26-10	
LICENSE#			TIME (AM / PM)	
70953			4:31	
ACCEPTED			REJECTED	



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400648  
DATE: 5/27/2010  
TIME: 10:27:25 - 10:54:59

TRUCK: ETGI 273  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2989/N3116.05, E11087.69, ELE659.78  
COMMENT:

GROSS: 66320 LBS Scale  
TARE: 37580 LBS Scale  
NET: 28740 LBS  
TONS: 14.37 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	14.37	@ \$35.50 per Ton	\$510.14
TOTAL FEES:					\$64.66
TOTAL AMOUNT:					\$574.80

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$510.14
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.96
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$3.59
HOST COUNTY FEE: @ \$3.00 PER TON	\$43.11

DRIVER: Thu May 2010 05:27:10 10:54:58

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007531

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No
Generator Name		Cabot Oil & Gas Corporation	
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY	
Contact Name		Chris Lowman	Cell# 412-580-8659 Office# 412-249-3927
Profile		CABZ (3-letter code)	Carrier (3-letter code) Truck# 273
Customer/Charge To		809 (3-digit number)	Origin 58 (2-digit number)
WASTE	DESCRIPTION OF WASTE		PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010		100%
TOTAL PERCENTAGE			100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>			
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		5-27-10	DATE
TRANSPORTER - DRIVER SIGNATURE		WH# 1451 2/2011	DATE
LANDFILL WASTE INSPECTOR SIGNATURE		70953	DATE
WEIGHMASTER SIGNATURE		ACCEPTED 5-27-10	REJECTED 10:55
LICENSE#		DATE	TIME (AM / PM)



Wayne Township Landfill  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400650  
DATE: 5/27/2010  
TIME: 10:18:48 - 10:58:30

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2989/N3116.05, E11087.69, ELE659.78  
COMMENT:

GROSS: 73920 LBS Scale  
TARE: 37360 LBS Scale  
NET: 36560 LBS  
TONS: 18.28 TNS

MANIFEST: 192377

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	18.28	@ \$35.50 per Ton	\$648.94
				TOTAL FEES:	\$82.26
				TOTAL AMOUNT:	\$731.20

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$648.94
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.85
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.57
HOST COUNTY FEE: @ \$3.00 PER TON	\$54.84

DRIVER: Thu May 2010 05/27/10 10:58 28

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007533

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	192377
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# 797
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
FCI Robert Lowman		5-26-2010		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
Bob Lowman		WH0754 5/11	5-27-10	
LANDFILL WASTE INSPECTOR SIGNATURE		70953	ACCEPTED	REJECTED
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
[Signature]			5-27-10	10:58



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PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400656  
DATE: 5/27/2010  
TIME: 10:20:40 - 11:12:37

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2989/N3116.05, E11087.69, ELE659.78  
COMMENT:

GROSS: 79500 LBS Scale  
TARE: 37040 LBS Scale  
NET: 42460 LBS  
TONS: 21.23 TNS

MANIFEST: S239873

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	21.23	@ \$35.50 per Ton	\$753.67
				TOTAL FEES:	\$95.54
				TOTAL AMOUNT:	\$849.21

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$753.67
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$26.54
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$5.31
HOST COUNTY FEE: @ \$3.00 PER TON	\$63.69

DRIVER: Thu May 2010 05/27/10 11:12:38

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007535

Box # 9924

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>S 239873</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier (3-letter code)	Truck# <u>900</u>
Customer/Charge To		809 (3-digit number)	Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
F.C.T. Thompson			5-26-2010	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
S. A. Weber		0754 4-11	5-27-10	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
S. A. Weber		70953	5-27-10	
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
S. A. Weber				11:17





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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400670  
DATE: 5/27/2010  
TIME: 10:24:30 - 11:43:00

TRUCK: ETGI 269  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2989/N3116.05, E11087.69, ELE659.78  
COMMENT:

GROSS: 67080 LBS Scale  
TARE: 38240 LBS Scale  
NET: 28840 LBS  
TONS: 14.42 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	14.42	@ \$35.50 per Ton	\$511.91
				TOTAL FEES:	\$64.90
				TOTAL AMOUNT:	\$576.81

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$511.91
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18.03
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$3.61
HOST COUNTY FEE: @ \$3.00 PER TON	\$43.26

DRIVER: Thu May 2010 05/27/10 11:42:50

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007537

CABOT-EPA 007538

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code) Truck#
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
WASTE#	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.				
GENERATOR SIGNATURE		OF CERTIFICATION / TITLE		DATE
E.T.G. [Signature]		WH1451/Exp: Feb. 2011		5-27-10
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE
[Signature]		X		
LANDFILL WASTE INSPECTOR SIGNATURE		70953 ACCEPTED		REJECTED
[Signature]		5-27-10		11:42
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM /PM)
[Signature]				

DIM0227454

DIM0228771



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400672  
DATE: 5/27/2010  
TIME: 10:30:53 - 11:47:07

TRUCK: ETGI 252  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2989/N3116.05, E11087.69, ELE659.78  
COMMENT:

GROSS: 62100 LBS Scale  
TARE: 42320 LBS Scale  
NET: 19780 LBS  
TONS: 9.89 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	9.89	@ \$35.50 per Ton	\$351.10
				TOTAL FEES:	\$44.50
				TOTAL AMOUNT:	\$395.60

**FEES COMPRISED OF THE FOLLOWING:**

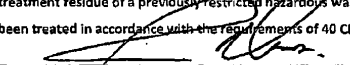

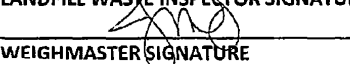
DISPOSAL/SERVICES:	\$351.10
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$12.36
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$2.47
HOST COUNTY FEE: @ \$3.00 PER TON	\$29.67

DRIVER: Thu May 2010 06/27/10 11:47:08

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007539

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code) Truck#
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
 FLETCHER Tom moved WH 1451 2/11			5-27-10 5/27/10	
TRANSPORTER - DRIVER SIGNATURE			DATE	
 WH# & MO/YR EXPIRATION			ACCEPTED 70953 5-27-10 REJECTED 811-47	
LANDFILL WASTE INSPECTOR SIGNATURE			DATE	
 LICENSE#			TIME (AM / PM)	
WEIGHMASTER SIGNATURE			DATE	



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400695  
DATE: 5/27/2010  
TIME: 11:38:58 - 12:19:39

TRUCK: FCI 796  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2989/N3116.05, E11087.69, ELE659.78  
COMMENT:

GROSS: 68420 LBS Scale  
TARE: 36440 LBS Scale  
NET: 31980 LBS  
TONS: 15.99 TNS

MANIFEST: S192284

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	15.99	@ \$35.50 per Ton	\$567.65
				TOTAL FEES:	\$71.96
				TOTAL AMOUNT:	\$639.61

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$567.65
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$19.99
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.00
HOST COUNTY FEE: @ \$3.00 PER TON	\$47.97

DRIVER: Thu May 2010 05/27/10 12:19:38

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: TRACY - 066750

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CABOT-EPA 007541

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>5192284</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# <u>796</u>
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
<i>Chris Lowman</i>			5-27-10	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
<i>Chris Lowman</i>		WH# 0754 4/11	5/27/10	
LANDFILL WASTE INSPECTOR SIGNATURE		70953	ACCEPTED	REJECTED
<i>Chris Lowman</i>			5-27-10	12:20
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
<i>Chris Lowman</i>				



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400804  
DATE: 5/28/2010  
TIME: 07:24:33 - 07:47:46

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 73180 LBS Scale  
TARE: 37580 LBS Scale  
NET: 35600 LBS  
TONS: 17.80 TNS

MANIFEST: S158989

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.80 @ \$29.50 per Ton	\$525.10
			TOTAL FEES:	\$186.90
			TOTAL AMOUNT:	\$712.00

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$525.10
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.25
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.60
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$75.65
HOST COUNTY FEE: @ \$3.00 PER TON	\$53.40

DRIVER:

Fri May 28 2010 05:28:10 07:47:46





IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007543

Box 0602

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>5158989</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier (3-letter code)	Truck# <u>960</u>
Customer/Charge To		809 (3-digit number)	Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
 FCI <u>FCI</u> 0754 4-11			5-27-10 5/27/10	
TRANSPORTER - DRIVER SIGNATURE			WH# & MO/YR EXPIRATION DATE	
			X 70953 5-28-10	
LANDFILL WASTE INSPECTOR SIGNATURE			ACCEPTED REJECTED	
			5-28-10 7:47	
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
				

CABOT-EPA 007544

DIM0227454

DIM0228777





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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400830  
DATE: 5/28/2010  
TIME: 08:14:29 - 08:39:17

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 72480 LBS Scale  
TARE: 38000 LBS Scale  
NET: 34480 LBS  
TONS: 17.24 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

MANIFEST: 192378

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.24	@ \$29.50 per Ton	\$508.58
				TOTAL FEES:	\$181.02
				TOTAL AMOUNT:	\$689.60

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$508.58
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.55
PA RECYCLING FEE: @ \$2.00 PER TON	\$34.48
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$73.27
HOST COUNTY FEE: @ \$3.00 PER TON	\$51.72

DRIVER: Fri May 2010 05/28/10 08:38:15

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007545

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>192378</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		<u>2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY</u>		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	<u>CAB2</u> (3-letter code)	Carrier	(3-letter code)	Truck# <u>787</u>
Customer/Charge To	<u>809</u> (3-digit number)	Origin	<u>58</u> (2-digit number)	<u>900</u>
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
<u>801</u>	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is not <del>not</del> hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
<u>FCI Robert Smith</u> <u>WH0154</u> <u>5/11</u>			<u>5-27-10</u>	
TRANSPORTER DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
<u>[Signature]</u>		<u>X</u>	<u>5-27-10</u>	
LANDFILL WASTE INSPECTOR SIGNATURE		70953	ACCEPTED	REJECTED
<u>[Signature]</u>		<u>5-28-10</u>	<u>8:39</u>	
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
<u>[Signature]</u>				



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 400887  
DATE: 5/28/2010  
TIME: 09:42:35 - 10:16:40

TRUCK: FCI 796  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2990/N 3116.05 E 11087.69 ELE 661.78  
COMMENT:

GROSS: 68520 LBS Scale  
TARE: 36100 LBS Scale  
NET: 32420 LBS  
TONS: 16.21 TNS

MANIFEST: S192285

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	16.21	@ \$35.50 per Ton	\$575.46
				TOTAL FEES:	\$72.94
				TOTAL AMOUNT:	\$648.40

**EES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$575.46
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$20.26
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.05
HOST COUNTY FEE: @ \$3.00 PER TON	\$48.63

DRIVER: Fri May 28 2010 05:28/10 10:16:38

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007547

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	5192285
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2	(3-letter code)	Carrier	(3-letter code)
Customer/Charge To	809	(3-digit number)	Origin	58 (2-digit number)
Truck#	796			

WASTE	DESCRIPTION OF WASTE	PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010	100%
TOTAL PERCENTAGE		100%

Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.

James Colby	5-28-2010
GENERATOR SIGNATURE OF CERTIFICATION / TITLE	DATE
TRANSPORTER / DRIVER SIGNATURE	WH# & MO/YR EXPIRATION
LANDFILL WASTE INSPECTOR SIGNATURE	DATE
WFEIGHTMASTER SIGNATURE	DATE

ACCCEPTED 5-28-10 10:16



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401056  
DATE: 5/28/2010  
TIME: 14:55:14 - 15:40:09

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CABOT 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2990/N 3116.05 E 11087.69 ELE 661.78  
COMMENT:

GROSS: 71700 LBS Scale  
TARE: 37720 LBS Scale  
NET: 33980 LBS  
TONS: 16.99 TNS

MANIFEST: S158988

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	16.99	@ \$35.50 per Ton	\$603.15
				TOTAL FEES:	\$76.46
				TOTAL AMOUNT:	\$679.61

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$603.15
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.24
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.25
HOST COUNTY FEE: @ \$3.00 PER TON	\$50.97

DRIVER: Fri May 2010 05/28/10 15:40:07

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007549

CABOT-EPA 007550

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>5158988</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		<u>2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY</u>		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	<u>CAB2</u>	(3-letter code)	Carrier	(3-letter code)
Customer/Charge To	<u>809</u>	(3-digit number)	Origin	<u>58</u> (2-digit number)
Truck#	<u>900</u>			
WASTE#	DESCRIPTION OF WASTE			PERCENTAGE
<u>801</u>	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
	<u>used for cover</u>			
	TOTAL PERCENTAGE			100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		<u>FCZ Jim Conkle</u>	DATE	<u>5-28-10</u>
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
<u>[Signature]</u>		<u>0754 4-11</u>	<u>5-28-10</u>	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
<u>[Signature]</u>		<u>70953</u>	<u>5-28-10</u>	<u>3:40</u>
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
<u>[Signature]</u>				

DIM0227454

DIM0228783



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15 BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401080  
DATE: 5/29/2010  
TIME: 07:01:53 - 07:35:15

TRUCK: FCI 796  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 81160 LBS Scale  
TARE: 36460 LBS Scale  
NET: 44700 LBS  
TONS: 22.35 TNS

MANIFEST: S192286

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	22.35	@ \$29.50 per Ton	\$659.33
				TOTAL FEES:	\$234.68
				TOTAL AMOUNT:	\$894.01

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$659.33
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$27.94
PA RECYCLING FEE: @ \$2.00 PER TON	\$44.70
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$94.99
HOST COUNTY FEE: @ \$3.00 PER TON	\$67.05

IN OPERATOR: JESSICA - 70953

DRIVER: Sat May 29 05/29/10 07:35:14

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007551

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No <u>5192286</u>	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		[REDACTED] 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#	796
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
<p><i>[Signature]</i>          GENERATOR SIGNATURE OF CERTIFICATION / TITLE</p>				<p>5-28-2010          DATE</p>	
<p><i>[Signature]</i>          TRANSPORTER - DRIVER SIGNATURE</p>		<p>WH# &amp; MO/YR EXPIRATION          WH0754 4/11</p>		<p>5/28/2010          DATE</p>	
<p><i>[Signature]</i>          LANDFILL WASTE INSPECTOR SIGNATURE</p>		<p>20953          LICENSE#</p>		<p>5-29-10          DATE</p>	
<p><i>[Signature]</i>          WEIGHMASTER SIGNATURE</p>		<p>ACCEPTED</p>		<p>REJECTED          5:35          TIME (AM / PM)</p>	





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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401413  
DATE: 6/1/2010  
TIME: 09:51:00 - 10:23:40

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 75120 LBS Scale  
TARE: 36160 LBS Scale  
NET: 38960 LBS  
TONS: 19.48 TNS

MANIFEST: S19219S

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	19.48 @ \$29.50 per Ton	\$574.66
			TOTAL FEES:	\$204.54
			TOTAL AMOUNT:	\$779.20

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$574.66
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$24.35
PA RECYCLING FEE: @ \$2.00 PER TON	\$38.96
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$82.79
HOST COUNTY FEE: @ \$3.00 PER TON	\$58.44

DRIVER: Tue Jun 2010 08/01/10 10:23:38

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007553

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	5192195
Generator Name Cabot Oil & Gas Corporation				
Generator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY				
Contact Name Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927	
Profile CAB2	(3-letter code)	Carrier	(3-letter code)	Truck# 900
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			6-1-2010	
TRANSPORTER - DRIVER SIGNATURE			DATE	
WH# & MO/YR EXPIRATION			6-1-10	
LANDFILL WASTE INSPECTOR SIGNATURE			DATE	
WEIGHMASTER SIGNATURE			DATE	
LICENSE#			TIME (AM / PM)	
70953			10:23	
ACCEPTED			REJECTED	
6-1-10				



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401420  
DATE: 6/1/2010  
TIME: 09:54:20 - 10:40:41

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 78000 LBS Scale  
TARE: 35040 LBS Scale  
NET: 42960 LBS  
TONS: 21.48 TNS

MANIFEST: 192379

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	21.48	@ \$29.50 per Ton	\$633.66
TOTAL FEES:					\$225.54
TOTAL AMOUNT:					\$859.20

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$633.66
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$26.85
PA RECYCLING FEE: @ \$2.00 PER TON	\$42.96
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$91.29
HOST COUNTY FEE: @ \$3.00 PER TON	\$64.44


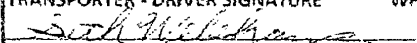

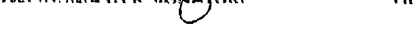
DRIVER:

Tue Jun 01 10:00:41

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007555

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No <u>192379</u>	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3917
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#	<u>797</u>
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE	
 FCI Robert Smith				6-1-2010 6-1-10	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
 [Signature]		WH# 70953 MO/YR EXPIRATION 5-11		DATE 6-1-10	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
 [Signature]		70953 DATE 6-1-10		TIME (AM/PM) 10:40	
WEIGHMASTER SIGNATURE		LICENSE#		DATE	
 [Signature]		LICENSE# 70953		DATE 6-1-10	

CABOT-EPA 007556

DIM0227454

DIM0228789



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401435  
DATE: 6/1/2010  
TIME: 10:11:04 - 11:20:01

TRUCK: ETGI 252  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 67720 LBS Scale  
TARE: 41240 LBS Scale  
NET: 26480 LBS  
TONS: 13.24 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.24	@ \$29.50 per Ton	\$390.58
				TOTAL FEES:	\$139.02
				TOTAL AMOUNT:	\$529.60

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$390.58
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$16.55
PA RECYCLING FEE: @ \$2.00 PER TON	\$26.48
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$56.27
HOST COUNTY FEE: @ \$3.00 PER TON	\$39.72

DRIVER: Tue Jun 2010 05/01/10 11:20:00

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007557

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#	282
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 263 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE			
ELGT Tommervick 1451		6/1/10			
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
[Signature]		1451 2/2011		6/1/10	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
[Signature]		70953 6-1-10		11:19	
WEIGHMASTER SIGNATURE		LICENSE#		DATE	
[Signature]		70953		6-1-10	

CABOT-EPA 007558

DIM0227454

DIM0228791



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401440  
DATE: 6/1/2010  
TIME: 10:07:30 - 11:25:49

TRUCK: ETGI 274  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 67480 LBS Scale  
TARE: 42780 LBS Scale  
NET: 24700 LBS  
TONS: 12.35 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.35 @ \$29.50 per Ton	\$364.33
			TOTAL FEES:	\$129.68
			TOTAL AMOUNT:	\$494.01

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$364.33
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.44
PA RECYCLING FEE: @ \$2.00 PER TON	\$24.70
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$52.49
HOST COUNTY FEE: @ \$3.00 PER TON	\$37.05

DRIVER: Tue Jun 01 09:01:10 11:25:49

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007559

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		[REDACTED] 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# 274
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND If the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
<p>GENERATOR SIGNATURE OF CERTIFICATION / TITLE</p> <p><i>[Signature]</i> 1451 FEB 2011</p>				<p>DATE</p> <p>6-1-10</p>
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE
<p><i>[Signature]</i></p>		<p>70953</p>		<p>6-1-10</p>
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED
<p><i>[Signature]</i></p>		<p>6-1-10</p>		<p>11:25</p>
W/FIGHMASTER SIGNATURE		LICENSE#	DATE	TIME #AM / PM

CABOT-EPA 007560

DIM0227454

DIM0228793





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JOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401471  
DATE: 6/1/2010  
TIME: 11:57:42 - 12:25:47

TRUCK: ETGI 269  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 86660 LBS Scale  
TARE: 38260 LBS Scale  
NET: 48400 LBS  
TONS: 24.20 TNS

PROFILE: CABOT 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	24.20 @ \$29.50 per Ton	\$713.90
			TOTAL FEES:	\$254.10
			TOTAL AMOUNT:	\$968.00

**FEEES.COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$713.90
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$30.25
PA RECYCLING FEE: @ \$2.00 PER TON	\$48.40
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$102.85
HOST COUNTY FEE: @ \$3.00 PER TON	\$72.60

IN OPERATOR: JESSICA - 70953  
DRIVER: Tue Jun 2010 06/01/10 12:25:45 OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007561

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#	269
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		1451 / FEB 2011		DATE 6-1-2010	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE 6-01-10	
LANDFILL WASTE INSPECTOR SIGNATURE		70953		ACCEPTED	REJECTED
WFOHMASTER SIGNATURE		LICENSE#		DATE 6-1-10	TIME (AM / PM) 12:25

CABOT-EPA 007562

DIM0227454

DIM0228795



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401607  
DATE: 6/2/2010  
TIME: 07:37:11 - 08:16:33

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CABOT 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 78700 LBS Scale  
TARE: 36700 LBS Scale  
NET: 42000 LBS  
TONS: 21.00 TNS

MANIFEST: 192380

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	21.00 @ \$29.50 per Ton	\$619.50
			TOTAL FEES:	\$220.50
			TOTAL AMOUNT:	\$840.00

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$619.50
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$26.25
PA RECYCLING FEE: @ \$2.00 PER TON	\$42.00
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$89.25
HOST COUNTY FEE: @ \$3.00 PER TON	\$63.00

DRIVER: Wed Jun 2 08:07:10 08:16:31

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007563

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No <u>192380</u>	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# <u>797</u>
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE			
FCI Robert J. Smith		WH#0754 5-11		6-1-10	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
Det. [Signature]		X			
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
Amo		20953		6-2-10 8:17	
WFEIGHTMASTER SIGNATURE		LICENSE#		DATE TIME (AM / PM)	

CABOT-EPA 007564

DIM0227454

DIM0228797



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PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401608  
DATE: 6/2/2010  
TIME: 07:43:37 - 08:19:36

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 72740 LBS Scale  
TARE: 37400 LBS Scale  
NET: 35340 LBS  
TONS: 17.67 TNS

MANIFEST: S192196

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.67 @ \$29.50 per Ton	\$521.27
			TOTAL FEES:	\$185.54
			TOTAL AMOUNT:	\$706.81

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$521.27
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.09
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.34
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$75.10
HOST COUNTY FEE: @ \$3.00 PER TON	\$53.01

DRIVER: Wed Jun 02 08:02:10 2010 18:35

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007565

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No <u>5192196</u>	
Generator Name Cabot Oil & Gas Corporation					
Generator Location <u>2H4H WELL-LAT414422.03N</u>		- LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name Chris Lowman		Cell# 412-580-8659		Office# 412-249-3927	
Profile <u>CAB2</u> (3-letter code)		Carrier _____ (3-letter code)		Truck# <u>900</u>	
Customer/Charge To <u>809</u> (3-digit number)		Origin <u>58</u> (2-digit number)			
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of CFR 266 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE			
<u>FCZ Jim Conkle</u>		<u>0754 11-4</u>		<u>6-1-2010</u>	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
<u>Sarah [Signature]</u>		<u>70953</u>		<u>6-1-10</u>	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
<u>[Signature]</u>		<u>70953</u>		<u>6-2-10</u>	
WEIGHMASTER SIGNATURE		LICENSE#		TIME (AM / PM)	
<u>[Signature]</u>		<u>70953</u>		<u>8:19</u>	



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401762  
DATE: 6/2/2010  
TIME: 14:53:37 - 15:28:11

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2993/N 3174.96 E 11051.95 ELE 653.69  
COMMENT:

GROSS: 71560 LBS Scale  
TARE: 37040 LBS Scale  
NET: 34520 LBS  
TONS: 17.26 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	17.26	@ \$35.50 per Ton	\$612.73
				TOTAL FEES:	\$77.68
				TOTAL AMOUNT:	\$690.41

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$612.73
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.58
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.32
HOST COUNTY FEE: @ \$3.00 PER TON	\$51.78

DRIVER: Wed Jun 2010 08/02/10 15:28:10

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007567

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name Cabot Oil & Gas Corporation					
Generator Location [REDACTED] 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY					
Contact Name Chris Lowman		Cell# 412-580-8659		Office# 412-249-3927	
Profile CAB2 (3-letter code)		Carrier (3-letter code)		Truck#	
Customer/Charge To 809 (3-digit number)		Origin 58 (2-digit number)			
WASTE#	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE	
FCZ [Signature]				6-2-2010	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
[Signature]		0754 4-11		6-2-10	
LANDFILL WASTE INSPECTOR SIGNATURE		70953		ACCEPTED 6-2-10	
WEIGHMASTER SIGNATURE		LICENSE#		DATE TIME (AM / PM)	
[Signature]		[Signature]		3:28	

CABOT-EPA 007568

DIM0227454

DIM0228801





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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401764  
DATE: 6/2/2010  
TIME: 14:55:14 - 15:30:57

TRUCK: FCI 796  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2993/N 3174.96 E 11051.95 ELE 653.69  
COMMENT:

GROSS: 71800 LBS Scale  
TARE: 36440 LBS Scale  
NET: 35360 LBS  
TONS: 17.68 TNS

MANIFEST: S192287

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	17.68 @ \$35.50 per Ton	\$627.64
			TOTAL FEES:	\$79.56
			TOTAL AMOUNT:	\$707.20

**FEEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$627.64
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.10
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.42
HOST COUNTY FEE: @ \$3.00 PER TON	\$53.04

DRIVER: Wed Jun 2010 08/02/10 15:30:48

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007569

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No <u>5192287</u>	
Generator Name Cabot Oil & Gas Corporation					
Generator Location <u>2H4H WELL-LAT414422.03N</u>		- LONG755400.74W - DIMOCK TWP - SUSQUEHANNA			
Contact Name Chris Lowman		Cell# 412-580-8659		Office# 412-249-3927	
Profile <u>CAB2</u> (3-letter code)		Carrier _____ (3-letter code)		Truck# <u>796</u>	
Customer/Charge To <u>809</u> (3-digit number)		Origin <u>58</u> (2-digit number)			
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
<u>801</u>	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		WH# & MO/YR EXPIRATION		DATE	
<u>[Signature]</u>		<u>WH0754</u>		<u>6-2-2010</u>	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
<u>[Signature]</u>					
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
<u>[Signature]</u>		<u>70953</u>		<u>3-30</u>	
WEIGHMASTER SIGNATURE		LICENSE#		TIME (AM / PM)	
<u>[Signature]</u>				<u>10:10</u>	

CABOT-EPA 007570

DIM0227454

DIM0228803



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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401787  
DATE: 6/2/2010  
TIME: 16:27:05 - 17:00:09

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2993/N 3174.96 E 11051.95 ELE 653.69  
COMMENT:

GROSS: 79300 LBS Scale  
TARE: 36140 LBS Scale  
NET: 43160 LBS  
TONS: 21.58 TNS

MANIFEST: 192381

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	21.58 @ \$35.50 per Ton	\$766.09
			TOTAL FEES:	\$97.12
			TOTAL AMOUNT:	\$863.21

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$766.09
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$26.98
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$5.40
HOST COUNTY FEE: @ \$3.00 PER TON	\$64.74

DRIVER: Wed Jun 2 2010 08:02:10 17:00:07

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007571

CABOT-EPA 007572

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>192381</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman		
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
Truck#		797		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND If the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE
<u>FCI Robert Smith</u>				<u>6-2-2010</u>
TRANSPORTER - DRIVER SIGNATURE				DATE
<u>[Signature]</u>				<u>6-2-10</u>
LANDFILL WASTE INSPECTOR SIGNATURE				DATE
<u>[Signature]</u>				<u>6-2-10</u>
WEIGHMASTER SIGNATURE				DATE
<u>[Signature]</u>				<u>6-2-10</u>
LICENSE#				TIME (AM / PM)
70953				5:00

DIM0227454

DIM0228805



10 BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S. 7:00 - 12:00

TICKET: 401859  
DATE: 6/3/2010  
TIME: 09:44:41 - 10:37:10

TRUCK: FCI 777  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 66060 LBS Scale  
TARE: 36040 LBS Scale  
NET: 30020 LBS  
TONS: 15.01 TNS

MANIFEST: 157649

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	15.01	@ \$29.50 per Ton	\$442.80
				TOTAL FEES:	\$157.60
				TOTAL AMOUNT:	\$600.40

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$442.80
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18.76
PA RECYCLING FEE: @ \$2.00 PER TON	\$30.02
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$63.79
HOST COUNTY FEE: @ \$3.00 PER TON	\$45.03

DRIVER: Thu Jun 2010 06/03/10 10:37:08

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007573

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No <u>157649</u>	
Generator Name Cabot Oil & Gas Corporation					
Generator Location <u>2H4H WELL-LAT414422.03N</u>		- LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name Chris Lowman		Cell# 412-580-8659		Office# 412-249-3927	
Profile <u>CAB2</u> (3-letter code)		Carrier <u>FCI</u> (3-letter code)		Truck# <u>777</u>	
Customer/Charge To <u>809</u> (3-digit number)		Origin <u>58</u> (2-digit number)			
WASTE	DESCRIPTION OF WASTE			PERCENTAGE	
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%	
TOTAL PERCENTAGE			100%		
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE			
<i>[Signature]</i>		<u>W 40754 EXP 12/31/11</u>		<u>6/3/10</u>	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
<i>[Signature]</i>		<u>70953</u>		<u>6-3-10</u>	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
<i>[Signature]</i>		<u>70953</u>		<u>6-3-10</u>	
WFEIGHTMASTER SIGNATURE		LICENSE#		DATE	
<i>[Signature]</i>					

CABOT-EPA 007574



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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401861  
DATE: 6/3/2010  
TIME: 09:47:23 - 10:41:04

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2[REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 59320 LBS Scale  
TARE: 35000 LBS Scale  
NET: 24320 LBS  
TONS: 12.16 TNS

MANIFEST: 219625

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.16 @ \$29.50 per Ton	\$358.72
			TOTAL FEES:	\$127.68
			TOTAL AMOUNT:	\$486.40

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$358.72
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.20
PA RECYCLING FEE: @ \$2.00 PER TON	\$24.32
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$51.68
HOST COUNTY FEE: @ \$3.00 PER TON	\$36.48

DRIVER: Thu Jun 2010 08/03/10 10:41:03

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007575

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No 219625	
Generator Name Cabot Oil & Gas Corporation				
Generator Location 2H4H WELL-LAT414422.03N		- LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927	
Profile CAB2 (3-letter code)		Carrier (3-letter code)	Truck# 797	
Customer/Charge To 809 (3-digit number)		Origin 58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE		PERCENTAGE	
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010		100%	
TOTAL PERCENTAGE		100%		
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
FCI Robert Smith WHO754 5-11		6-3-2010		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE
Landfill Waste Inspector Signature		X		
LANDFILL WASTE INSPECTOR SIGNATURE		70953	ACCEPTED	REJECTED
WRIGHTMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
			6-3-10	10:41

CABOT-EPA 007576

DIM0227454

DIM0228809





PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401882  
DATE: 6/3/2010  
TIME: 10:40:20 - 11:29:09

TRUCK: ETGI 269  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 69840 LBS Scale  
TARE: 37160 LBS Scale  
NET: 32680 LBS  
TONS: 16.34 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16.34	@ \$29.50 per Ton	\$482.03
TOTAL FEES:					\$171.58
TOTAL AMOUNT:					\$653.61

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$482.03
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$20.43
PA RECYCLING FEE: @ \$2.00 PER TON	\$32.68
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$69.45
HOST COUNTY FEE: @ \$3.00 PER TON	\$49.02

DRIVER: THU JUN 2010 08/03/10 11:28 07

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007577

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name Cabot Oil & Gas Corporation					
Generator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY					
Contact Name Chris Lowman		Cell# 412-580-8659		Office# 412-249-3927	
Profile CABZ (3-letter code)		Carrier (3-letter code)		Truck# 269	
Customer/Charge To 809 (3-digit number)		Origin 58 (2-digit number)			
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 265 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE <i>James J. [Signature]</i>				DATE 6-3-10	
TRANSPORTER / DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
<i>Seth [Signature]</i>		1451 - Feb 2011		6-3-10	
LANDFILL WASTE INSPECTOR SIGNATURE		70953		ACCEPTED 6-3-10	
WEIGHMASTER SIGNATURE		LICENSE#		DATE	
<i>[Signature]</i>		70953		6-3-10	
				REJECTED 11:29	



PO BOX 209, MCELHATTAN, PA 17748  
 PHONE: 570-769-6977 FAX: 570-769-7366  
 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401884  
 DATE: 6/3/2010  
 TIME: 10:34:32 - 11:32:46

TRUCK: ETGI 274  
 CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
 FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
 GENERATOR 111/CABOT OIL & GAS CORP  
 GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
 COMMENT:

GROSS: 64680 LBS Scale  
 TARE: 43200 LBS Scale  
 NET: 21480 LBS  
 TONS: 10.74 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	10.74	@ \$29.50 per Ton	\$316.83
TOTAL FEES:					\$112.78
TOTAL AMOUNT:					\$429.61

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$316.83
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$13.43
PA RECYCLING FEE: @ \$2.00 PER TON	\$21.48
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$45.65
HOST COUNTY FEE: @ \$3.00 PER TON	\$32.22

DRIVER: Thu Jun 2010 08/03/10 11:32:46

IN OPERATOR: JESSICA - 70953  
 OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007579

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CABZ (3-letter code)	Carrier	(3-letter code)	Truck# 274
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERAL OR SIGNATURE OF CERTIFICATION / TITLE		1456 FEB-2011	DATE	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		70953	ACCEPTED	REJECTED
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)



**Wayne Township Landfill**  
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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401885  
DATE: 6/3/2010  
TIME: 10:42:54 - 11:35:52

TRUCK: ETGI 252  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 73760 LBS Scale  
TARE: 41180 LBS Scale  
NET: 32580 LBS  
TONS: 16.29 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16.29	@ \$29.50 per Ton	\$480.56
				TOTAL FEES:	\$171.04
				TOTAL AMOUNT:	\$651.60

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$480.56
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$20.36
PA RECYCLING FEE: @ \$2.00 PER TON	\$32.58
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$69.23
HOST COUNTY FEE: @ \$3.00 PER TON	\$48.87

DRIVER: Thu Jun 2010 06/03/10 11 35 51

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwp landfill.com E-MAIL: ccswa@waynetwp landfill.com

CABOT-EPA 007581

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#	252
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE					DATE
James Will					
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
ETG-I Tom McVeigh		1451 2/11X		6/3/12	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
Amo		70953 6-3-10		11:35	
WEIGHMASTER SIGNATURE		LICENSE#		TIME (AM/PM)	
Scott A. [Signature]					

CABOT-EPA 007582

DIM0227454

DIM0228815



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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 401887  
DATE: 6/3/2010  
TIME: 10:54:26 - 11:40:49

TRUCK: FCI 777  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 81140 LBS Scale  
TARE: 35880 LBS Scale  
NET: 45260 LBS  
TONS: 22.63 TNS

MANIFEST: 192382

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	22.63	@ \$29.50 per Ton	\$667.59
				TOTAL FEES:	\$237.62
				TOTAL AMOUNT:	\$905.21

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$667.59
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$28.29
PA RECYCLING FEE: @ \$2.00 PER TON	\$45.26
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$96.18
HOST COUNTY FEE: @ \$3.00 PER TON	\$67.89

DRIVER: Thu Jun 2010 08/03/10 11:40:48

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007583

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>192382</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman		
Profile		Cell# 412-580-8659	Office# 412-249-3927	
CAB2 (3-letter code)		Carrier	FCI (3-letter code)	
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
Truck#		777		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
FCI		6-2-2010		
TRANSPORTER / DRIVER SIGNATURE		DATE		
MAR Snyder		6-2-10		
LANDFILL WASTE INSPECTOR SIGNATURE		DATE		
[Signature]		6-3-10		
WEIGHMASTER SIGNATURE		DATE		
[Signature]		6-3-10		





BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402001  
DATE: 6/4/2010  
TIME: 07:21:10 - 08:03:48

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 73620 LBS Scale  
TARE: 36500 LBS Scale  
NET: 37120 LBS  
TONS: 18.56 TNS

MANIFEST: 219626

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	18.56	@ \$29.50 per Ton	\$547.52
				TOTAL FEES:	\$194.88
				TOTAL AMOUNT:	\$742.40

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$547.52
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$23.20
PA RECYCLING FEE: @ \$2.00 PER TON	\$37.12
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$78.88
HOST COUNTY FEE: @ \$3.00 PER TON	\$55.68

DRIVER: Fri Jun 2010 08/04/10 08 03 47

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007585

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>219626</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier (3-letter code)	Truck# <u>797</u>
Customer/Charge To		809 (3-digit number)	Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
FCI Robert [Signature]			6-3-2010	
TRANSPORTER - DRIVER SIGNATURE			DATE	
[Signature]			10-3-10	
LANDFILL WASTE INSPECTOR SIGNATURE			DATE	
[Signature]			10-4-10	
WFGHMASTER SIGNATURE			TIME (AM / PM)	
[Signature]			8:03	



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402004  
DATE: 6/4/2010  
TIME: 07:22:54 - 08:08:42

TRUCK: FCI 777  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 65320 LBS Scale  
TARE: 36000 LBS Scale  
NET: 29320 LBS  
TONS: 14.66 TNS

MANIFEST: 157648

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.66 @ \$29.50 per Ton	\$432.47
			TOTAL FEES:	\$153.94
			TOTAL AMOUNT:	\$586.41

**FES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$432.47
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18.33
PA RECYCLING FEE: @ \$2.00 PER TON	\$29.32
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$62.31
HOST COUNTY FEE: @ \$3.00 PER TON	\$43.98

DRIVER: Fri Jun 2010 08/04/10 08:08:41

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007587

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No <u>157648</u>	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)		Carrier <u>KFI</u> (3-letter code)	Truck# <u>777</u>
Customer/Charge To		809 (3-digit number)		Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE	
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%	
TOTAL PERCENTAGE			100%		
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		6754-4/11		DATE 6/3/10	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		70953		ACCEPTED 6-4-10	
WEIGHMASTER SIGNATURE		LICENSE#		DATE TIME (AM / PM) 8:08	



**Wayne Township Landfill**  
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30X 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402065  
DATE: 6/4/2010  
TIME: 09:40:52 - 10:14:53

TRUCK: FCI 900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 71400 LBS Scale  
TARE: 37320 LBS Scale  
NET: 34080 LBS  
TONS: 17.04 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

MANIFEST: S192199

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.04	@ \$29.50 per Ton	\$502.68
				TOTAL FEES:	\$178.92
				TOTAL AMOUNT:	\$681.60

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$502.68
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.30
PA RECYCLING FEE: @ \$2.00 PER TON	\$34.08
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$72.42
HOST COUNTY FEE: @ \$3.00 PER TON	\$51.12

DRIVER: Fri Jun 2010 09:04:10 10:14:52

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007589

Box 9548

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No 5192199	
Generator Name Cabot Oil & Gas Corporation				
Generator Location [REDACTED] 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY				
Contact Name Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927	
Profile CAB2 (3-letter code)		Carrier (3-letter code)	Truck# 900	
Customer/Charge To 809 (3-digit number)		Origin 58 (2-digit number)		

WASTE	DESCRIPTION OF WASTE	PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010	100%
TOTAL PERCENTAGE		100%

Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.

GENERATOR SIGNATURE OF CERTIFICATION / TITLE <i>FLI Jim Bonko</i>	DATE 4-11-10
TRANSPORTER - DRIVER SIGNATURE <i>Seamus</i>	WH# & MO/YR EXPIRATION 0754 4-11
LANDFILL WASTE INSPECTOR SIGNATURE <i>[Signature]</i>	DATE 4-11-10
WEIGHMASTER SIGNATURE <i>[Signature]</i>	LICENSE# 70953

ACCEPTED ☒ REJECTED ☐  
 TIME (AM / PM) 10:14



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402085  
DATE: 6/4/2010  
TIME: 10:28:46 - 10:57:47

TRUCK: FCI900  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64880 LBS Scale  
TARE: 36160 LBS Scale  
NET: 28720 LBS  
TONS: 14.36 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

MANIFEST: S192198

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.36 @ \$29.50 per Ton	\$423.62
			TOTAL FEES:	\$150.78
			TOTAL AMOUNT:	\$574.40

**EES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$423.62
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.95
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.72
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$61.03
HOST COUNTY FEE: @ \$3.00 PER TON	\$43.08

DRIVER: FR Jun 2010 0804ND 10:57:44

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007591

Box 9470

Wayne Township Landfill		PADSP Permit#100955	Residual Waste Manifest No <u>5192198</u>	
Generator Name Cabot Oil & Gas Corporation				
Generator Location <u>2H4H WELL-LAT414422.03N</u>		LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927	
Profile <u>CAB2</u>	(3-letter code)	Carrier	(3-letter code)	Truck# <u>900</u>
Customer/Charge To <u>809</u>	(3-digit number)	Origin <u>58</u>	(2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
<u>FCI [Signature]</u>		<u>0754 4-11</u> <u>6-3-10</u>		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION DATE		
<u>[Signature]</u>		<u>70953</u> <u>6-4-16</u>		
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED REJECTED		
<u>[Signature]</u>		<u>6-4-16</u> <u>10:58</u>		
WEIGHMASTER SIGNATURE		LICENSE# DATE TIME (AM / PM)		
<u>[Signature]</u>		<u>70953</u> <u>6-4-16</u> <u>10:58</u>		





**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402205  
DATE: 6/4/2010  
TIME: 14:38:16 - 15:28:13

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2996/N 2957.87 E 11139.61 ELE 659.05  
COMMENT:

GROSS: 72520 LBS Scale  
TARE: 35880 LBS Scale  
NET: 36640 LBS  
TONS: 18.32 TNS

MANIFEST: 219627

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	18.32	@ \$35.50 per Ton	\$650.36
TOTAL FEES:					\$82.44
TOTAL AMOUNT:					\$732.80

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$650.36
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.90
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.58
HOST COUNTY FEE: @ \$3.00 PER TON	\$54.96

DRIVER: Fri Jun 2010 08/04/10 16:28:13

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007593

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>219627</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile <u>CAB2</u> (3-letter code)		Carrier	(3-letter code)	Truck# <u>797</u>
Customer/Charge To <u>809</u> (3-digit number)		Origin <u>58</u> (2-digit number)		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
<i>FCI Robert Lowman</i>			6-4-2010	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
<i>Scott M. M...</i>		X	6-4-10	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
<i>imo</i>		70953	10-4-10	3:29
WFOIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
<i>imo</i>				



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402210  
DATE: 6/4/2010  
TIME: 14:41:46 - 15:34:36

TRUCK: FCI 777  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 BLE 656.69  
COMMENT:

GROSS: 67600 LBS Scale  
TARE: 35660 LBS Scale  
NET: 31940 LBS  
TONS: 15.97 TNS

MANIFEST: 157646

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	15.97 @ \$29.50 per Ton	\$471.12
			TOTAL FEES:	\$167.68
			TOTAL AMOUNT:	\$638.80

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$471.12
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$19.96
PA RECYCLING FEE: @ \$2.00 PER TON	\$31.94
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$67.87
HOST COUNTY FEE: @ \$3.00 PER TON	\$47.91

DRIVER: Fri Jun 2010 06/04/10 15:34:35

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007595

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>157646</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier <u>FCI</u> (3-letter code)	Truck# <u>777</u>
Customer/Charge To		809 (3-digit number)	Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	Drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE / TITLE		DATE		
<i>Chris Lowman</i>		0754 / 4/11	6-4-2010	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
<i>Seth [Signature]</i>			6/4	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
<i>[Signature]</i>		70953	6-4-10	
LANDFILL WASTE INSPECTOR SIGNATURE		LICENSE#	DATE	TIME (AM/PM)
<i>[Signature]</i>				3:34



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402483  
DATE: 6/7/2010  
TIME: 10:10:02 - 10:49:57

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2/ [REDACTED] D 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 72580 LBS Scale  
TARE: 36660 LBS Scale  
NET: 35920 LBS  
TONS: 17.96 TNS

MANIFEST: 219628

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.96	@ \$29.50 per Ton	\$529.82
				TOTAL FEES:	\$188.58
				TOTAL AMOUNT:	\$718.40

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$529.82
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.45
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.92
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$76.33
HOST COUNTY FEE: @ \$3.00 PER TON	\$53.88

DRIVER: Mon Jun 2010 06/07/10 10:49:55

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007597

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>219628</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman		
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
Truck#		797		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification. I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE
F.C.I. Robert Smith who				6-7-2010
TRANSPORTER - DRIVER SIGNATURE				DATE
Seth Waters				6-7-10
LANDFILL WASTE INSPECTOR SIGNATURE				DATE
JMS				6-7-10
WEIGHMASTER SIGNATURE				DATE
70953				6-7-10
LICENSE#				TIME (AM / PM)
				10:50



BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402485  
DATE: 6/7/2010  
TIME: 10:12:37 - 10:53:06

TRUCK: FCI 777  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 69120 LBS Scale  
TARE: 35780 LBS Scale  
NET: 33340 LBS  
TONS: 16.67 TNS

MANIFEST: 157647

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16.67 @ \$29.50 per Ton	\$491.77
			TOTAL FEES:	\$175.04
			TOTAL AMOUNT:	\$666.81

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$491.77
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$20.84
PA RECYCLING FEE: @ \$2.00 PER TON	\$33.34
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$70.85
HOST COUNTY FEE: @ \$3.00 PER TON	\$50.01

DRIVER: Mon Jun 2010 06/07/10 10:53:04

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007599

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>157647</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman		
Profile		CAB2 (3-letter code)	Carrier <u>FCI</u> (3-letter code)	Office# 412-249-3927
Customer/Charge To		809 (3-digit number)	Origin 58 (2-digit number)	Truck# <u>777</u>
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		0754-4/11	DATE 6-7-2010	
TRANSPORTER / DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		20953	ACCEPTED	REJECTED
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)





**Wayne Township Landfill**  
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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402556  
DATE: 6/7/2010  
TIME: 12:36:56 - 13:28:56

TRUCK: RED245  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 57940 LBS Scale  
TARE: 44180 LBS Scale  
NET: 13760 LBS  
TONS: 6.88 TNS

PROFILE: CABOT 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	6.88 @ \$29.50 per Ton	\$202.96
			TOTAL FEES:	\$72.24
			TOTAL AMOUNT:	\$275.20

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$202.96
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$8.60
PA RECYCLING FEE: @ \$2.00 PER TON	\$13.76
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$29.24
HOST COUNTY FEE: @ \$3.00 PER TON	\$20.64

DRIVER: Mon Jun 2010 06/07/10 13:28:56

IN OPERATOR: TRACY - 066750

OUT OPERATOR: TRACY - 066750

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007601

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman		
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
Cell# 412-580-8659		Office# 412-249-3927		
Truck# 245				
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION		DATE		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
		WH 1419	Aug 2010	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
		0000252	6/7/10	
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
Seth Welchman				



100 BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402557  
DATE: 6/7/2010  
TIME: 12:39:04 - 13:31:28

TRUCK: RED242  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 69780 LBS Scale  
TARE: 34080 LBS Scale  
NET: 35700 LBS  
TONS: 17.85 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.85 @ \$29.50 per Ton	\$526.58
			TOTAL FEES:	\$187.42
			TOTAL AMOUNT:	\$714.00


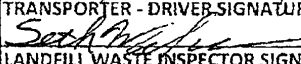
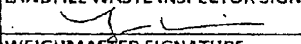
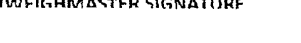
FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$526.58
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.31
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.70
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$75.86
HOST COUNTY FEE: @ \$3.00 PER TON	\$53.55

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: TRACY - 066750  
DRIVER: Mon Jun 2010 06/07/10 13 31:28

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007603

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# 242
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE					DATE
					6-7-2010
TRANSPORTER - DRIVER SIGNATURE					DATE
					6-7-10
LANDFILL WASTE INSPECTOR SIGNATURE					DATE
					6-7-10
WEIGHMASTER SIGNATURE					DATE
					6-7-10
LICENSE#					TIME (AM / PM)
1419 Aug 2nd					1:31



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402649  
DATE: 6/8/2010  
TIME: 07:13:26 - 07:54:05

TRUCK: FCI797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64740 LBS Scale  
TARE: 36340 LBS Scale  
NET: 28400 LBS  
TONS: 14.20 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2997N 2957.87 E 11139.61 ELE 657.31  
COMMENT: *DC2*

MANIFEST: 219629

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.20	@ \$29.50 per Ton	\$418.90
TOTAL FEES:					\$149.10
TOTAL AMOUNT:					\$568.00

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$418.90
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.75
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.40
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$60.35
HOST COUNTY FEE: @ \$3.00 PER TON	\$42.60

DRIVER: Tue Jun 2010 08/08/10 07:54:03

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: TRACY - 066750

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007605

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>219629</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman		
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
Truck#		797		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE			DATE	
FCI Robert Smith / WHO754			5-11-6-7-10	
TRANSPORTER / DRIVER SIGNATURE			DATE	
Seth [Signature]			6-7-10	
LANDFILL WASTE INSPECTOR SIGNATURE			DATE	
[Signature]			6-7-10	
WEIGHMASTER SIGNATURE			DATE	
[Signature]			6-7-10	
LICENSE#			TIME (AM / PM)	
200752			7:54	



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402650  
DATE: 6/8/2010  
TIME: 07:16:12 - 07:56:21

TRUCK: 777  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 60120 LBS Scale  
TARE: 35420 LBS Scale  
NET: 24700 LBS  
TONS: 12.35 TNS

MANIFEST: 157645

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.35	@ \$29.50 per Ton	\$364.33
				TOTAL FEES:	\$129.68
				TOTAL AMOUNT:	\$494.01

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$364.33
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.44
PA RECYCLING FEE: @ \$2.00 PER TON	\$24.70
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$52.49
HOST COUNTY FEE: @ \$3.00 PER TON	\$37.05

DRIVER: Tue Jun 2010 06/08/10 07:56:12

IN OPERATOR: TRACY - 066750

OUT OPERATOR: TRACY - 066750

[www.waynetwplandfill.com](http://www.waynetwplandfill.com) E-MAIL: [ccswa@waynetwplandfill.com](mailto:ccswa@waynetwplandfill.com)

CABOT-EPA 007607

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>157645</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier <u>FCI</u> (3-letter code)	Truck# <u>777</u>
Customer/Charge To		809 (3-digit number)	Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		<u>Chris Lowman</u>	DATE	<u>6/7/20</u>
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
<u>Chris Lowman</u>		<u>0754</u> - <u>4/11</u>	<u>6/7/20</u>	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
<u>Chris Lowman</u>		<u>06028</u> <u>6/8/10</u>	<u>7:50</u>	
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)





**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402654  
DATE: 6/8/2010  
TIME: 07:18:46 - 08:04:04

TRUCK: FCI796  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 68280 LBS Scale  
TARE: 36400 LBS Scale  
NET: 31880 LBS  
TONS: 15.94 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2998/N2957.87, E11139.61, ELE666.53  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	15.94	@ \$29.50 per Ton	\$470.23
				TOTAL FEES:	\$167.38
				TOTAL AMOUNT:	\$637.61

**FEES COMPRISED OF THE FOLLOWING:**

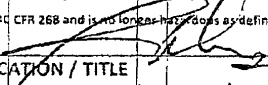
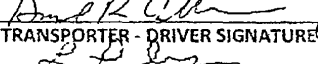
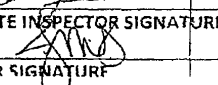
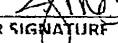
DISPOSAL/SERVICES:	\$470.23
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$19.93
PA RECYCLING FEE: @ \$2.00 PER TON	\$31.88
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$67.75
HOST COUNTY FEE: @ \$3.00 PER TON	\$47.82

DRIVER: Tue Jun 2010 06/08/10 08 04 03

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007609

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659 Office# 412-249-3927	
Profile		CAB2 (3-letter code)		Carrier (3-letter code) Truck# 796	
Customer/Charge To		809 (3-digit number)		Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE	
				6-7-2010	
TRANSPORTER - DRIVER SIGNATURE				DATE	
				6/7/10	
LANDFILL WASTE INSPECTOR SIGNATURE				DATE	
				6-8-10	
WFI GHMASTER SIGNATURE				DATE	
				6-8-10	
LICENSE#				TIME (AM/PM)	
70953				8:04	



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402824  
DATE: 6/8/2010  
TIME: 14:07:51 - 14:49:45

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CABOT 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 69880 LBS Scale  
TARE: 35940 LBS Scale  
NET: 33940 LBS  
TONS: 16.97 TNS

MANIFEST: 219630

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16.97	@ \$29.50 per Ton	\$500.62
				TOTAL FEES:	\$178.18
				TOTAL AMOUNT:	\$678.80

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$500.62
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.21
PA RECYCLING FEE: @ \$2.00 PER TON	\$33.94
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$72.12
HOST COUNTY FEE: @ \$3.00 PER TON	\$50.91

DRIVER: TUE JUN 2010 08/08/10 14:48 43

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007611

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <b>219630</b>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code) Truck# <b>797</b>
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is not a hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
<i>FCI Robert</i>		<i>6-8-2010</i>		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
<i>Scott W. Williams</i>		<i>754 5-11</i>	<i>6-8-10</i>	
LANDFILL WASTE INSPECTOR SIGNATURE		70953	ACCEPTED	REJECTED
<i>for</i>			<i>6-8-10</i>	<i>2:49</i>
WFEIGHTMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402827  
DATE: 6/8/2010  
TIME: 14:09:34 - 14:52:28

TRUCK: FCI 777  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 71900 LBS Scale  
TARE: 35040 LBS Scale  
NET: 36860 LBS  
TONS: 18.43 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

MANIFEST: 157644

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	18.43	@ \$29.50 per Ton	\$543.69
				TOTAL FEES:	\$193.52
				TOTAL AMOUNT:	\$737.21

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$543.69
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$23.04
PA RECYCLING FEE: @ \$2.00 PER TON	\$36.86
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$78.33
HOST COUNTY FEE: @ \$3.00 PER TON	\$55.29

DRIVER: TUE JUN 2010 08/08/10 14:52:27

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007613

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>157644</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 112-249-3927
Profile		CAB2 (3-letter code)	Carrier <u>ECI</u> (3-letter code)	Truck# <u>277</u>
Customer/Charge To		809 (3-digit number)	Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
<i>[Signature]</i>		08-2010		
TRANSPORTER / DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE
<i>[Signature]</i>		0754/4/11		6/8
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED
<i>[Signature]</i>		70953 6-8-10		2:50
WEIGHMASTER SIGNATURE		LICENSE#		DATE
<i>[Signature]</i>				



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402829  
DATE: 6/8/2010  
TIME: 14:14:09 - 14:56:12

TRUCK: FCI 796  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 73780 LBS Scale  
TARE: 36220 LBS Scale  
NET: 37560 LBS  
TONS: 18.78 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	18.78	@ \$29.50 per Ton	\$554.01
				TOTAL FEES:	\$197.20
				TOTAL AMOUNT:	\$751.21

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$554.01
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$23.48
PA RECYCLING FEE: @ \$2.00 PER TON	\$37.56
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$79.82
HOST COUNTY FEE: @ \$3.00 PER TON	\$56.34

DRIVER: Tue Jun 2010 00/00/10 14:00:11

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007615

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman		
Profile		CAB2 (3-letter code)	Carrier	(3-letter code) Truck# 796
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
<i>[Signature]</i>		6-8-2010		
TRANSPORTER - DRIVER SIGNATURE		DATE		
<i>[Signature]</i>		6/8/10		
LANDFILL WASTE INSPECTOR SIGNATURE		DATE		
<i>[Signature]</i>		6-8-10		
WEIGHMASTER SIGNATURE		DATE		
<i>[Signature]</i>		6-8-10		





**Wayne Township Landfill**  
*Innovative. Responsible. Committed to You.*

30X 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402928  
DATE: 6/9/2010  
TIME: 09:33:32 - 10:16:28

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 72320 LBS Scale  
TARE: 36800 LBS Scale  
NET: 35520 LBS  
TONS: 17.76 TNS

MANIFEST: 219631

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.76	@ \$29.50 per Ton	\$523.92
				TOTAL FEES:	\$186.48
				TOTAL AMOUNT:	\$710.40

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$523.92
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.20
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.52
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$75.48
HOST COUNTY FEE: @ \$3.00 PER TON	\$53.28

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: TRACY - 066750  
DRIVER: Wed Jun 2010 08:09:10 10.18.27

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CABOT-EPA 007617

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>219631</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman		
Profile		CABZ (3-letter code)	Carrier	(3-letter code)
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
Office#		412-249-3927		
Truck#		797		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OR CERTIFICATION / TITLE		DATE		
<i>FCI Robert Davis</i>		6-9-2010		
TRANSPORTER - DRIVER SIGNATURE		DATE		
<i>Scott Wilson</i>		6-9-10		
LANDFILL WASTE INSPECTOR SIGNATURE		DATE		
<i>[Signature]</i>		6-9-10		
W/RIGHTMASTER SIGNATURE		TIME (AM / PM)		
<i>[Signature]</i>		10:10		



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30X 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402929  
DATE: 6/9/2010  
TIME: 09:36:43 - 10:19:01

TRUCK: FCI755  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 40800 LBS Scale  
TARE: 33300 LBS Scale  
NET: 7500 LBS  
TONS: 3.75 TNS

MANIFEST: 5219662

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	3.75 @ \$29.50 per Ton	\$110.63
			TOTAL FEES:	\$39.38
			TOTAL AMOUNT:	\$150.01

**FEEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$110.63
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$4.69
PA RECYCLING FEE: @ \$2.00 PER TON	\$7.50
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$15.94
HOST COUNTY FEE: @ \$3.00 PER TON	\$11.25

DRIVER: Wed Jun 2010 08:08/10 10:18:58

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: TRACY - 066750

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CABOT-EPA 007619

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>S 219662</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier <u>FCI</u> (3-letter code)	Truck# <u>755</u>
Customer/Charge To		809 (3-digit number)	Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		<p><u>FCI</u> <u>Chris Lowman</u> <u>6-9-10</u></p>		
TRANSPORTER - DRIVER SIGNATURE		<p><u>6-9-10</u> <u>5/11</u> <u>6-9-10</u></p>		
LANDFILL WASTE INSPECTOR SIGNATURE		<p><u>6-9-10</u> <u>6-9-10</u> <u>6-9-10</u></p>		
WEIGHMASTER SIGNATURE		<p><u>6-9-10</u> <u>6-9-10</u> <u>6-9-10</u></p>		



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402931  
DATE: 6/9/2010  
TIME: 09:38:49 - 10:25:39

TRUCK: FCI777  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2999/N 2998.68 E 11082.79 ELE 658.69  
COMMENT: *DC2*

GROSS: 81340 LBS Scale  
TARE: 35740 LBS Scale  
NET: 45600 LBS  
TONS: 22.80 TNS

MANIFEST: 157642

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	22.80 @ \$29.50 per Ton	\$672.60
			TOTAL FEES:	\$239.40
			TOTAL AMOUNT:	\$912.00

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$672.60
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$28.50
PA RECYCLING FEE: @ \$2.00 PER TON	\$45.60
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$96.90
HOST COUNTY FEE: @ \$3.00 PER TON	\$68.40

DRIVER: Wed Jun 2010 08:08:10 10:25:37

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: TRACY - 066750

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CABOT-EPA 007621

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>157642</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman		
Profile		CAB2 (3-letter code)		
Customer/Charge To		809 (3-digit number)		
		Carrier <u>FCI</u> (3-letter code)		
		Truck# <u>777</u>		
		Origin <u>58</u> (2-digit number)		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE
TRANSPORTER - DRIVER SIGNATURE				WH# & MO/YR EXPIRATION
LANDFILL WASTE INSPECTOR SIGNATURE				DATE
WFGHMASTER SIGNATURE				DATE
LICENSE#				TIME (AM / PM)



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402934  
DATE: 6/9/2010  
TIME: 09:54:49 - 10:37:38

TRUCK: ETGI 274  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 71780 LBS Scale  
TARE: 42880 LBS Scale  
NET: 28900 LBS  
TONS: 14.45 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2999/N 2998.68 E 11082.79 ELE 658.69  
COMMENT: *pcn*

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.45	@ \$29.50 per Ton	\$426.28
				TOTAL FEES:	\$151.72
				TOTAL AMOUNT:	\$578.00

**EES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$426.28
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18.06
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.90
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$61.41
HOST COUNTY FEE: @ \$3.00 PER TON	\$43.35

DRIVER: Wed Jun 2010 08/08/10 10:37:37

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: TRACY - 066750

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CABOT-EPA 007623

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659 Office# 412-249-3927	
Profile		CAB2 (3-letter code)		Carrier (3-letter code) Truck# 274	
Customer/Charge To		809 (3-digit number)		Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE	
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%	
TOTAL PERCENTAGE			100%		
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE			
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
WEIGHMASTER SIGNATURE		LICENSE#		DATE	
		DATE		TIME (AM / PM)	





**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402935  
DATE: 6/9/2010  
TIME: 09:57:15 - 10:41:31

TRUCK: 269  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 64540 LBS Scale  
TARE: 36780 LBS Scale  
NET: 27760 LBS  
TONS: 13.88 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2999/N 2998.68 E 11082.79 ELE 658.69  
COMMENT: DC2

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.88	@ \$29.50 per Ton	\$409.46
				TOTAL FEES:	\$145.74
				TOTAL AMOUNT:	\$555.20

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$409.46
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.35
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.76
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$58.99
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.64

DRIVER: Wed Jun 2010 08:08:10 10 41:26

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: TRACY - 066750

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CABOT-EPA 007625

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman		
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
Truck#		269		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been tested in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED
WRIGHTMASTER SIGNATURE		LICENSE#		DATE
		TIME (AM / PM)		



**Wayne Township Landfill**  
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JOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 402941  
DATE: 6/9/2010  
TIME: 10:01:23 - 10:49:18

TRUCK: 252  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 80560 LBS Scale  
TARE: 41980 LBS Scale  
NET: 38580 LBS  
TONS: 19.29 TNS

PROFILE: CABZ [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 2999/N 2998.68 E 11082.79 ELE 658.69  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	19.29	@ \$35.50 per Ton	\$684.80
				TOTAL FEES:	\$86.80
				TOTAL AMOUNT:	\$771.60

**FEEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$684.80
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$24.11
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.82
HOST COUNTY FEE: @ \$3.00 PER TON	\$57.87

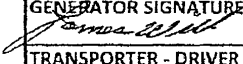

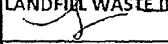

DRIVER: Wed Jun 2010 05/08/10 10:49:18

IN OPERATOR: TRACY - 066750

OUT OPERATOR: TRACY - 066750

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CABOT-EPA 007627

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name Cabot Oil & Gas Corporation					
Generator Location 2H4H WELL-LAT414422.03N		LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name Chris Lowman		Cell# 412-580-8659		Office# 412-249-3927	
Profile CABZ (3-letter code)		Carrier (3-letter code)		Truck# 152	
Customer/Charge To 809 (3-digit number)		Origin 58 (2-digit number)			
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
	used for core				
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE					DATE
					
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
		1451 2/2011		6/9/10	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
		06/09/10		10:59	
LWFI MASTER SIGNATURE		LICENSE#		DATE	
				X	



**Wayne Township Landfill**  
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\*\*\*\*\* Reprinted Ticket - Edited \*\*\*\*\*

BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403087  
DATE: 6/10/2010  
TIME: 07:45:45 - 08:34:06

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 3000/N2998.68, E11082.79, ELE662.07  
COMMENT:

GROSS: 43520 LBS Scale  
TARE: 36740 LBS Scale  
NET: 6780 LBS  
TONS: 3.39 TNS

MANIFEST: 219633

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	3.39	@ \$35.50 per Ton	\$120.35
				TOTAL FEES:	\$15.26
				TOTAL AMOUNT:	\$135.61

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$120.35
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$4.24
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$0.85
HOST COUNTY FEE: @ \$3.00 PER TON	\$10.17

DRIVER: Thu Jun 2010 08/10/10 08:34:03

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007629



PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403087  
DATE: 6/10/2010  
TIME: 07:45:45 - 08:34:06

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR N11/CABOT OIL & GAS CORP  
GRID: D02/N 2945.84 E 11264.02 ELE 656.69  
COMMENT: *3000*

GROSS: 43520 LBS Scale  
TARE: 36740 LBS Scale  
NET: 6780 LBS  
TONS: 3.39 TNS

MANIFEST: 219633

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	<i>801C</i> 801/DRILLING RESIDUALS	100	3.39	@ \$29.50 per Ton	\$100.01
TOTAL FEES:					\$35.60
TOTAL AMOUNT:					\$135.61

*liners garbage*

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$100.01
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$4.24
PA RECYCLING FEE: @ \$2.00 PER TON	\$6.78
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$14.41
HOST COUNTY FEE: @ \$3.00 PER TON	\$10.17

DRIVER: Thu Jun 2010 08:10:10 08 34 03

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007630

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No <u>219633</u>	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile -- CAB2 (3-letter code)		Carrier (3-letter code)		Truck# <u>797</u>	
Customer/Charge To 809 (3-digit number)		Origin 58 (2-digit number)			
WASTE#	DESCRIPTION OF WASTE				PERCENTAGE
809	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
	<del>drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010</del>				
	<del>drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010</del>				
	TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE	
<u>FCI Robert Smith</u>				<u>6-9-2010</u>	
TRANSPORTER - DRIVER SIGNATURE				DATE	
<u>R. Smith</u>				<u>6-9-10</u>	
LANDFILL WASTE INSPECTOR SIGNATURE				DATE	
<u>[Signature]</u>				<u>6-10-10</u>	
WEIGHMASTER SIGNATURE				DATE	
<u>[Signature]</u>				<u>6-10-10</u>	
LICENSE#				TIME (AM / PM)	
<u>70953</u>				<u>8:34</u>	



\*\*\*\*\* Reprinted Ticket - Edited \*\*\*\*\*

PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403089  
DATE: 6/10/2010  
TIME: 07:48:16 - 08:36:29

TRUCK: FCI 777  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 3000/N2998.68, E11082.79, ELE662.07  
COMMENT:

GROSS: 40440 LBS Scale  
TARE: 36780 LBS Scale  
NET: 3660 LBS  
TONS: 1.83 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	1.83	@ \$35.50 per Ton	\$64.97
				TOTAL FEES:	\$8.24
				TOTAL AMOUNT:	\$73.21

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$64.97
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$2.29
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$0.46
HOST COUNTY FEE: @ \$3.00 PER TON	\$5.49

DRIVER: Thu Jun 2010 06/10/10 08:35:26

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007632





Wayne Township Landfill  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403089  
DATE: 6/10/2010  
TIME: 07:48:16 - 08:36:29

TRUCK: FCI 777  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR: 111/CABOT OIL & GAS CORP  
GRID: D02/N 2945.84 E 11264.02 ELE 656.69  
COMMENT: X 3000

GROSS: 40440 LBS Scale  
TARE: 36780 LBS Scale  
NET: 3660 LBS  
TONS: 1.83 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	80% DRILLING RESIDUALS	100	1.83	@ \$29.50 per Ton	\$53.99
TOTAL FEES:					\$19.22
TOTAL AMOUNT:					\$73.21

801C  
liners  
garbage

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$53.99
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$2.29
PA RECYCLING FEE: @ \$2.00 PER TON	\$3.66
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$7.78
HOST COUNTY FEE: @ \$3.00 PER TON	\$5.49

DRIVER: Thu Jun 10 08:10:10 2010 08:36:29

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007633

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No <u>157640</u>	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659 Office# 412-249-3927	
Profile		CAB2 (3-letter code)		Carrier <u>FCE</u> (3-letter code) Truck# <u>777</u>	
Customer/Charge To		809 (3-digit number)		Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	Drilling residuals from natural gaswell drilling - WTL EC#280344 - 5/12/2010				100%
	<u>liners into garbage</u>				
	TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE			
<u>[Signature]</u>		0754 - 4/11		6/9	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
<u>[Signature]</u>		✓			
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
<u>[Signature]</u>		70953		10-10-10	
WEIGHMASTER SIGNATURE		LICENSE#		DATE TIME (AM/PM)	
<u>[Signature]</u>				8:30	



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403110  
DATE: 6/10/2010  
TIME: 09:34:31 - 10:04:29

TRUCK: ETGI 269  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 71560 LBS Scale  
TARE: 37000 LBS Scale  
NET: 34560 LBS  
TONS: 17.28 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.28	@ \$29.50 per Ton	\$509.76
				TOTAL FEES:	\$181.44
				TOTAL AMOUNT:	\$691.20

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$509.76
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.60
PA RECYCLING FEE: @ \$2.00 PER TON	\$34.56
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$73.44
HOST COUNTY FEE: @ \$3.00 PER TON	\$51.84

DRIVER: Thu Jun 10 2010 06/10/10 10:04:29

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007635

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code) Truck# 269
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED REJECTED		
W/FIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)



**Wayne Township Landfill**  
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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403446  
DATE: 6/11/2010  
TIME: 16:26:41 - 17:07:49

TRUCK: EMP 249  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2/ [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 64800 LBS Scale  
TARE: 40880 LBS Scale  
NET: 23920 LBS  
TONS: 11.96 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	11.96 @ \$29.50 per Ton	\$352.82
			TOTAL FEES:	\$125.58
			TOTAL AMOUNT:	\$478.40

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$352.82
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$14.95
PA RECYCLING FEE: @ \$2.00 PER TON	\$23.92
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$50.83
HOST COUNTY FEE: @ \$3.00 PER TON	\$35.88

DRIVER: Fri Jun 11 2010 08:11:10 17:07:47

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007637

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name Cabot Oil & Gas Corporation					
Generator Location [REDACTED] 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY					
Contact Name Chris Lowman		Cell# 412-580-8659		Office# 412-249-3927	
Profile CAB2 (3-letter code)		Carrier (3-letter code)		Truck# 249	
Customer/Charge To 809 (3-digit number)		Origin 58 (2-digit number)			
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE 6-17-2010	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
[Signature]		WH# 1417		JUN 2010	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
[Signature]		6/11/10		5:07	
WIGHMASTER SIGNATURE		LICENSED		DATE	
[Signature]		DATE		TIME (AM / PM)	



**Wayne Township Landfill**  
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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403445  
DATE: 6/11/2010  
TIME: 16:25:35 - 17:04:18

TRUCK: DEL 214  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 71660 LBS Scale  
TARE: 46460 LBS Scale  
NET: 25200 LBS  
TONS: 12.60 TNS

MANIFEST: 251

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.60	@ \$29.50 per Ton	\$371.70
				TOTAL FEES:	\$132.30
				TOTAL AMOUNT:	\$504.00

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$371.70
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.75
PA RECYCLING FEE: @ \$2.00 PER TON	\$25.20
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$53.55
HOST COUNTY FEE: @ \$3.00 PER TON	\$37.80

DRIVER: Fri Jun 11 2010 08:11:00 17:04:18

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007639

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No
Generator Name		Cabot Oil & Gas Corporation	
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY #251	
Contact Name		Chris Lowman	Cell# 412-580-8659 Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code) Truck# 814
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE		PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010		100%
TOTAL PERCENTAGE			100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND If the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.			
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE 6-11-10	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE
LANDFILL WASTE INSPECTOR SIGNATURE		XPAD BOX 9WN 462973	EX 8-201
WEIGHMASTER SIGNATURE		70953	6-11-10
LICENSE#		DATE	TIME (AM / PM) 5:04





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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403313  
DATE: 6/11/2010  
TIME: 09:47:40 - 10:37:44

TRUCK: ETGI 252  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CABOT 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 65160 LBS Scale  
TARE: 41940 LBS Scale  
NET: 23220 LBS  
TONS: 11.61 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	11.61 @ \$29.50 per Ton	\$342.50
			TOTAL FEES:	\$121.90
			TOTAL AMOUNT:	\$464.40

**FEEES COMPRISED OF THE FOLLOWING:**

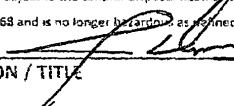

DISPOSAL/SERVICES:	\$342.50
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$14.51
PA RECYCLING FEE: @ \$2.00 PER TON	\$23.22
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$49.34
HOST COUNTY FEE: @ \$3.00 PER TON	\$34.83

DRIVER: Fri Jun 2010 08/11/10 10:37:42

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007641

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No
Generator Name		Cabot Oil & Gas Corporation	
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY	
Contact Name	Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)
Truck#	252		
WASTE	DESCRIPTION OF WASTE	PERCENTAGE	
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010	100%	
TOTAL PERCENTAGE		100%	
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.			
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE	
		6-11-2010	
TRANSPORTER - DRIVER SIGNATURE	WH# & MO/YR EXPIRATION	DATE	
ET/ET Tom McVeigh	14512/2011	6/11/10	
LANDFILL WASTE INSPECTOR SIGNATURE	ACCEPTED	REJECTED	
	70283	DATE	TIME (AM / PM)
		6-11-10	10:31



10 BOX 209, MCELHATTAN, PA 17748  
 PHONE: 570-769-6977 FAX: 570-769-7366  
 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403305  
 DATE: 6/11/2010  
 TIME: 09:44:49 - 10:19:25

TRUCK: ETGI 269  
 CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
 FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
 GENERATOR 111/CABOT OIL & GAS CORP  
 GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
 COMMENT:

GROSS: 76700 LBS Scale  
 TARE: 37940 LBS Scale  
 NET: 38760 LBS  
 TONS: 19.38 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	19.38 @ \$29.50 per Ton	\$571.71
TOTAL FEES:				\$203.50
TOTAL AMOUNT:				\$775.21

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$571.71
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$24.23
PA RECYCLING FEE: @ \$2.00 PER TON	\$38.76
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$82.37
HOST COUNTY FEE: @ \$3.00 PER TON	\$58.14

DRIVER: Fri Jun 11 08:11:10 2010 10:19:23 IN OPERATOR: JESSICA - 70953  
 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007643

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#	269
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer restricted as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		1451 Feb 2011		DATE 6-11-2010	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE 6-11-2010	
LANDFILL WASTE INSPECTOR SIGNATURE		70953		ACCEPTED 6-11-10	
WEIGHMASTER SIGNATURE		LICENSE#		DATE 6-11-10	
				TIME (AM / PM) 10:19	



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403296  
DATE: 6/11/2010  
TIME: 09:23:51 - 09:57:33

TRUCK: WM 411528  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 61460 LBS Scale  
TARE: 36880 LBS Scale  
NET: 24580 LBS  
TONS: 12.29 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.29 @ \$29.50 per Ton	\$362.56
			TOTAL FEES:	\$129.04
			TOTAL AMOUNT:	\$491.60

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$362.56
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.36
PA RECYCLING FEE: @ \$2.00 PER TON	\$24.58
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$52.23
HOST COUNTY FEE: @ \$3.00 PER TON	\$36.87

DRIVER: Fri Jun 2010 09/11/10 09:57:32

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007645

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-749-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#	
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION		TITLE		DATE	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
WEIGHMASTER SIGNATURE		LICENSE#		DATE	
				TIME (AM/PM)	



PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403266  
DATE: 6/11/2010  
TIME: 07:27:07 - 08:23:26

TRUCK: FCI 777  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 67640 LBS Scale  
TARE: 34760 LBS Scale  
NET: 32880 LBS  
TONS: 16.44 TNS

MANIFEST: 157639

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16.44 @ \$29.50 per Ton	\$484.98
			TOTAL FEES:	\$172.62
			TOTAL AMOUNT:	\$657.60

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$484.98
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$20.55
PA RECYCLING FEE: @ \$2.00 PER TON	\$32.88
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$69.87
HOST COUNTY FEE: @ \$3.00 PER TON	\$49.32

DRIVER:

Fri Jun 2010 08:11:10 08:23:26

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007647

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No <u>157639</u>	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659 Office# 412-249-3927	
Profile		CAB2 (3-letter code)		Carrier <u>FEI</u> (3-letter code) Truck# <u>777</u>	
Customer/Charge To		809 (3-digit number)		Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE	
TRANSPORTER - DRIVER SIGNATURE				DATE	
LANDFILL WASTE INSPECTOR SIGNATURE				DATE	
WEIGHMASTER SIGNATURE				DATE	

0754-4/11  
 70953  
 ACCEPTED  
 10-11-10  
 REJECTED  
 5-28





**Wayne Township Landfill**  
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1 BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403264  
DATE: 6/11/2010  
TIME: 07:24:15 - 08:18:35

TRUCK: FCI 797  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 62560 LBS Scale  
TARE: 37100 LBS Scale  
NET: 25460 LBS  
TONS: 12.73 TNS

MANIFEST: 219634

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.73	@ \$29.50 per Ton	\$375.54
				TOTAL FEES:	\$133.66
				TOTAL AMOUNT:	\$509.20

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$375.54
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.91
PA RECYCLING FEE: @ \$2.00 PER TON	\$25.46
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$54.10
HOST COUNTY FEE: @ \$3.00 PER TON	\$38.19

DRIVER: Fri Jun 11 2010 08:18:33

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007649

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>2196</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA C.		
Contact Name		Chris Lowman		
Profile		CAB2 (3-letter code)	Carrier	412-580-8659 (3-letter code) Office# 412-249-3927
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number) Truck# <u>797</u>
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 266 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
<u>FCI Robert Lowman</u>		<u>6-10-2010</u>		
TRANSPORTER / DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
<u>[Signature]</u>		<u>754</u>	<u>5/11</u>	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
<u>[Signature]</u>		<u>70953</u>	<u>6-11-10</u>	
W/FIGHMASTER SIGNATURE		LIC#	DATE	TIME (AM / PM)
<u>[Signature]</u>				<u>3:18</u>



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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403671  
DATE: 6/14/2010  
TIME: 09:15:10 - 10:26:41

TRUCK: ALLSTATE59  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 64840 LBS Scale  
TARE: 43480 LBS Scale  
NET: 21360 LBS  
TONS: 10.68 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	10.68 @ \$29.50 per Ton	\$315.06
			TOTAL FEES:	\$112.14
			TOTAL AMOUNT:	\$427.20

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$315.06
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$13.35
PA RECYCLING FEE: @ \$2.00 PER TON	\$21.36
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$45.39
HOST COUNTY FEE: @ \$3.00 PER TON	\$32.04

DRIVER: Mon Jun 2010 06/14/10 10 26 30

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

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CABOT-EPA 007651

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No
Generator Name		Cabot Oil & Gas Corporation	
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY	
Contact Name		Cell# 412-580-8659	Office# 412-249-3927
Profile	CABZ (3-letter code)	Carrier	(3-letter code)
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)
Truck#			
WASTE	DESCRIPTION OF WASTE		PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010		100%
TOTAL PERCENTAGE			100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.</p>			
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED
WEIGHMASTER SIGNATURE	LICENSE#	DATE	TIME (AM / PM)

Box# 5120  
 Dred#  
 10730



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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403672  
DATE: 6/14/2010  
TIME: 09:17:17 - 10:29:39

TRUCK: ALLSTATE57  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELB 656.69  
COMMENT:

GROSS: 78440 LBS Scale  
TARE: 43360 LBS Scale  
NET: 35080 LBS  
TONS: 17.54 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	17.54 @ \$29.50 per Ton	\$517.43
			TOTAL FEES:	\$184.18
			TOTAL AMOUNT:	\$701.61

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$517.43
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$21.93
PA RECYCLING FEE: @ \$2.00 PER TON	\$35.08
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$74.55
HOST COUNTY FEE: @ \$3.00 PER TON	\$52.62

DRIVER: Mon Jun 20 10 05/14/10 10:28:38

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007653

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No
Generator Name		Cabot Oil & Gas Corporation	
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY	
Contact Name		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code) Truck#
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE		PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010		100%
TOTAL PERCENTAGE			100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>			
GENERATOR SIGNATURE OF CERTIFICATION		TITLE	DATE
<i>[Signature]</i>		1404 7/2011	6-14-10
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE
<i>[Signature]</i>		W	6-14-10
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED
<i>[Signature]</i>		70953	10:29
WFOHMASTER SIGNATURE		LICENSE#	DATE
<i>[Signature]</i>			

Box 73-20

no hat  
decal  
10746

CABOT-EPA 007654

DIM0227454

DIM0228887



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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403699  
DATE: 6/14/2010  
TIME: 11:01:31 - 11:47:51

TRUCK: ETGI 252  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 71680 LBS Scale  
TARE: 41520 LBS Scale  
NET: 30160 LBS  
TONS: 15.08 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	15.08 @ \$29.50 per Ton	\$444.86
			TOTAL FEES:	\$158.34
			TOTAL AMOUNT:	\$603.20

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$444.86
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$18.85
PA RECYCLING FEE: @ \$2.00 PER TON	\$30.16
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$64.09
HOST COUNTY FEE: @ \$3.00 PER TON	\$45.24

DRIVER: Mon Jun 2010 06/14/10 11:47:49

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007655

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#	252
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND If the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE					DATE
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
ETGI Tom McVeety		1451 2/2011		6/14/10	
LANDFILL WASTE INSPECTOR SIGNATURE		70953		ACCEPTED REJECTED	
WEIGHMASTER SIGNATURE		LICENSE#		DATE	
Seth McVeety		6-14-10		11:47	





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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403701  
DATE: 6/14/2010  
TIME: 11:05:22 - 11:50:54

TRUCK: ETGI 274  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 74420 LBS Scale  
TARE: 43540 LBS Scale  
NET: 30880 LBS  
TONS: 15.44 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	15.44 @ \$29.50 per Ton	\$455.48
			TOTAL FEES:	\$162.12
			TOTAL AMOUNT:	\$617.60

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$455.48
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$19.30
PA RECYCLING FEE: @ \$2.00 PER TON	\$30.88
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$65.62
HOST COUNTY FEE: @ \$3.00 PER TON	\$46.32


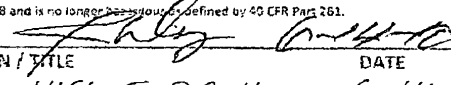

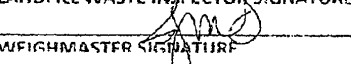
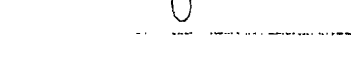
DRIVER: Mon Jun 2010 08/14/10 11:50 52

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007657

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		ZH4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile		CABZ (3-letter code)	Carrier	(3-letter code)	Truck#
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE			
				6-14-10	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
		1451 FEB 2011		6-14-10	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
		70953		6-14-10 11:51	
WEIGHMASTER SIGNATURE		LICENSE#		DATE	
					



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403714  
DATE: 6/14/2010  
TIME: 11:40:46 - 12:26:12

TRUCK: FCI 796  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 BLE 656.69  
COMMENT:

GROSS: 75100 LBS Scale  
TARE: 36460 LBS Scale  
NET: 38640 LBS  
TONS: 19.32 TNS

MANIFEST: S192291

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	19.32 @ \$29.50 per Ton	\$569.94
			TOTAL FEES:	\$202.86
			TOTAL AMOUNT:	\$772.80

**EES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$569.94
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$24.15
PA RECYCLING FEE: @ \$2.00 PER TON	\$38.64
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$82.11
HOST COUNTY FEE: @ \$3.00 PER TON	\$57.96

DRIVER: Mon Jun 2010 06/14/10 12:26:11

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007659

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>5192291</u>	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# <u>796</u>
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
<u>David R. C. M.</u>		<u>6-10-2010</u>		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
<u>L. R. M.</u>		<u>WH0754 4/11</u>	<u>6/14/10</u>	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
<u>[Signature]</u>		<u>70953</u>	<u>6-14-10</u>	
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM/PM)
<u>[Signature]</u>				<u>2:20</u>



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403864  
DATE: 6/15/2010  
TIME: 07:46:06 - 08:40:44

TRUCK: ALSTATE 59  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 73420 LBS Scale  
TARE: 45240 LBS Scale  
NET: 28180 LBS  
TONS: 14.09 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	14.09	@ \$31.50 per Ton	\$443.84
				TOTAL FEES:	\$147.94
				TOTAL AMOUNT:	\$591.78

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$443.84
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.61
PA RECYCLING FEE: @ \$2.00 PER TON	\$28.18
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$59.88
HOST COUNTY FEE: @ \$3.00 PER TON	\$42.27

DRIVER: Tue Jun 2010 08:16:10 08:40:42

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007661

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#	59
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE					DATE
TRANSPORTER - DRIVER SIGNATURE					WH# & MO/YR EXPIRATION
LANDFILL WASTE INSPECTOR SIGNATURE					DATE
WEIGHMASTER SIGNATURE					DATE
ACCEPTED					REJECTED
10953					6-15-10 8:40

Box #  
118-20  
Jewell #  
10785



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403866  
DATE: 6/15/2010  
TIME: 07:48:27 - 08:43:49

TRUCK: ALSTATE57  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 63540 LBS Scale  
TARE: 42660 LBS Scale  
NET: 20880 LBS  
TONS: 10.44 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	10.44	@ \$31.50 per Ton	\$328.86
				TOTAL FEES:	\$109.62
				TOTAL AMOUNT:	\$438.48

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$328.86
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$13.05
PA RECYCLING FEE: @ \$2.00 PER TON	\$20.88
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$44.37
HOST COUNTY FEE: @ \$3.00 PER TON	\$31.32

DRIVER: Tue Jun 2010 08:15:10 08:43:48

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007663

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	APV (3-letter code)	Truck#	57
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject in the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		1404 7/2011		DATE 6-14-10	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		70953		ACCEPTED 6-15-10 8:43	
WEIGHMASTER SIGNATURE		LICENSE#		DATE TIME (AM/PM)	

20X  
40.40  
Dec  
10766





**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403887  
DATE: 6/15/2010  
TIME: 09:07:57 - 09:40:55

TRUCK: WM 411528  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 64800 LBS Scale  
TARE: 36860 LBS Scale  
NET: 27940 LBS  
TONS: 13.97 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.97	@ \$31.50 per Ton	\$440.06
				TOTAL FEES:	\$146.68
				TOTAL AMOUNT:	\$586.74

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$440.06
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.46
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.94
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$59.37
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.91

DRIVER: Tue Jun 2010 06/16/10 09:40:54

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007665

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2	(3-letter code)	Carrier	(3-letter code)	Truck# 411528
Customer/Charge To	809	(3-digit number)	Origin	58	(2-digit number)
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION		TITLE		DATE	
[Signature]		1436		02-20-11	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
[Signature]		10953		6-15-10	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
[Signature]		70953		6-15-10	
WEIGHMASTER SIGNATURE		LICENSE#		DATE	
[Signature]		70953		6-15-10	



**Wayne Township Landfill**  
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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403895  
DATE: 6/15/2010  
TIME: 09:12:35 - 09:51:49

TRUCK: WM 410037  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 58680 LBS Scale  
TARE: 36600 LBS Scale  
NET: 22080 LBS  
TONS: 11.04 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	11.04 @ \$31.50 per Ton	\$347.76
			TOTAL FEES:	\$115.92
			TOTAL AMOUNT:	\$463.68

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$347.76
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$13.80
PA RECYCLING FEE: @ \$2.00 PER TON	\$22.08
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$46.92
HOST COUNTY FEE: @ \$3.00 PER TON	\$33.12

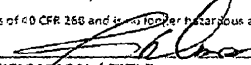
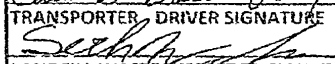

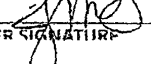
DRIVER: Time Jun 2010 06/15/10 09:51:47

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007667

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LA7414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code) Truck#
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste (subject to the Landfill Disposal Restriction), I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
 Chris Lowman Jr. / WH1436		02/2011 6/15/10		
TRANSPORTER DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE
		70953		6-15-10
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED
		70953		6-15-10 9:51
WEIGHMASTER SIGNATURE		LICENSE#		DATE
		70953		6-15-10 9:51



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 403913  
DATE: 6/15/2010  
TIME: 10:12:52 - 10:41:53

TRUCK: ETGI 273  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 73480 LBS Scale  
TARE: 37400 LBS Scale  
NET: 36080 LBS  
TONS: 18.04 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 3003/N 3078.34 E 11036.03 ELEE 656.86  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	18.04	@ \$37.50 per Ton	\$676.50
				TOTAL FEES:	\$81.18
				TOTAL AMOUNT:	\$757.68

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$676.50
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$22.55
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$4.51
HOST COUNTY FEE: @ \$3.00 PER TON	\$54.12

DRIVER: Tue Jun 2010 06/15/10 10:41:53

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007669

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
Truck#		273		
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECR#280344 - 5/12/2010			100%
used for cover				
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION		TITLE	DATE	
[Signature]		WH#1451	2/11	6-15-10
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
[Signature]		X	6/15/10	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
[Signature]		70953	6-15-10	10:41
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
[Signature]				



**Wayne Township Landfill**  
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30X 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404026  
DATE: 6/15/2010  
TIME: 15:05:10 - 16:05:39

TRUCK: ALLSTATE59  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 70300 LBS Scale  
TARE: 43820 LBS Scale  
NET: 26480 LBS  
TONS: 13.24 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.24 @ \$31.50 per Ton	\$417.06
			TOTAL FEES:	\$139.02
			TOTAL AMOUNT:	\$556.08

**EES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$417.06
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$16.55
PA RECYCLING FEE: @ \$2.00 PER TON	\$26.48
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$56.27
HOST COUNTY FEE: @ \$3.00 PER TON	\$39.72

DRIVER: Tue Jun 2010 06/15/10 16:05:39

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

[www.waynetwplandfill.com](http://www.waynetwplandfill.com) E-MAIL: [ccswa@waynetwplandfill.com](mailto:ccswa@waynetwplandfill.com)

CABOT-EPA 007671

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No
Generator Name		Cabot Oil & Gas Corporation	
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY	
Contact Name	Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)
Truck#	59		

WASTE	DESCRIPTION OF WASTE	PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010	100%
TOTAL PERCENTAGE		100%

Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 263.

GENERATOR SIGNATURE OF CERTIFICATION / TITLE	DATE
TRANSPORTER - DRIVER SIGNATURE	WH# & MO/YR EXPIRATION
LANDFILL WASTE INSPECTOR SIGNATURE	ACCEPTED
W/FEIGHTMASTER SIGNATURE	REJECTED

1404 - July 2011  
70953 6-15-10  
4:05

Box  
127-20  
Doc  
10794

CABOT-EPA 007672

DIM0227454

DIM0228905





BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404028  
DATE: 6/15/2010  
TIME: 15:09:08 - 16:08:42

TRUCK: ALLSTATE57  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 70700 LBS Scale  
TARE: 43080 LBS Scale  
NET: 27620 LBS  
TONS: 13.81 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.81 @ \$31.50 per Ton	\$435.02
			TOTAL FEES:	\$145.00
			TOTAL AMOUNT:	\$580.02

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$435.02
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.26
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.62
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$58.69
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.43

DRIVER: Tue Jun 2010 05/15/10 15:08 41

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007673

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580,8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	APV (3-letter code)	Truck# 57
Customer/Charge To	809 (3-digit number)	Origin	158 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
WFOIGHMASTER SIGNATURE		LICENSE#	DATE	TIME / AM / PM

Box 72-20

Dec 10 7:45



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404069  
DATE: 6/16/2010  
TIME: 07:56:05 - 08:58:12

TRUCK: ALLSTATE58  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 70000 LBS Scale  
TARE: 42460 LBS Scale  
NET: 27540 LBS  
TONS: 13.77 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.77 @ \$31.50 per Ton	\$433.76
			TOTAL FEES:	\$144.58
			TOTAL AMOUNT:	\$578.34

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$433.76
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.21
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.54
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$58.52
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.31

DRIVER: Wed Jun 16 08:58:10

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007675

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# 58
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer subject to regulation as defined by 40 CFR Part 261.</p> <p>Can# 9740</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE			
Allstate Power Vac. Inc. Chris Lowman		6-15-10			
TRANSPORTER, DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
S. J. [Signature]		1404 8/15/10		6-15-10	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
[Signature]		70953 6-16-10		8:58	
WEIGHMASTER SIGNATURE		LICENSE#		DATE	
[Signature]		70953		6-16-10	



1 BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404078  
DATE: 6/16/2010  
TIME: 09:02:27 - 09:26:43

TRUCK: WM 410037  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 3004/N 3078.34 E 11036.03 ELE 659.12  
COMMENT:

GROSS: 60720 LBS Scale  
TARE: 36860 LBS Scale  
NET: 23860 LBS  
TONS: 11.93 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	11.93 @ \$37.50 per Ton	\$447.38
			TOTAL FEES:	\$53.68
			TOTAL AMOUNT:	\$501.06

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$447.38
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$14.91
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$2.98
HOST COUNTY FEE: @ \$3.00 PER TON	\$35.79

DRIVER: Wed Jun 2010 03:15:10 DE 28 40

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007677



**Wayne Township Landfill**  
*Innovative. Responsible. Committed to You.*

PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404108  
DATE: 6/16/2010  
TIME: 10:30:20 - 11:32:26

TRUCK: ALLSTATE59  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2/ 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 3004/N 3078.34 E 11036.03 ELE 659.12  
COMMENT:

GROSS: 64180 LBS Scale  
TARE: 43820 LBS Scale  
NET: 20360 LBS  
TONS: 10.18 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	10.18	@ \$37.50 per Ton	\$381.75
				TOTAL FEES:	\$45.82
				TOTAL AMOUNT:	\$427.57

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$381.75
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$12.73
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$2.55
HOST COUNTY FEE: @ \$3.00 PER TON	\$30.54

IN OPERATOR: JESSICA - 70953  
DRIVER: Wed Jun 16 2010 06:18:10 11:32:24 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007678

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier	(3-letter code) Truck#
Customer/Charge To		809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010 <i>used for cover</i>			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION		DATE		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED
WFGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No
Generator Name		Cabot Oil & Gas Corporation	
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY	
Contact Name		Chris Lowman	Cell# 412-580-8659 Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code) Truck#
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE		PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010		100%
	WOOD CHIPS COVER		
	TOTAL PERCENTAGE		100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND If the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>			
GENERATOR SIGNATURE OR CERTIFICATION / TITLE		DATE	
TRANSPORTER / DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE
LANDFILL WASTE INSPECTOR SIGNATURE		70953	6-16-10
W/FEIGHTMASTER SIGNATURE		11:32	

Box  
32-20  
Dec  
10/01

CABOT-EPA 007680

DIM0227454

DIM0228913





**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404111  
DATE: 6/16/2010  
TIME: 10:32:11 - 11:35:44

TRUCK: ALLSTATE57  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: 3004/N 3078.34 E 11036.03 ELE 659.12  
COMMENT:

GROSS: 65240 LBS Scale  
TARE: 44520 LBS Scale  
NET: 20720 LBS  
TONS: 10.36 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801C/DRILLING RESIDUALS - C	100	10.36	@ \$37.50 per Ton	\$388.50
				TOTAL FEES:	\$46.62
				TOTAL AMOUNT:	\$435.12

EES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$388.50
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$12.95
ENVIRONMENTAL STEWARDSHIP FEE: @ \$0.25 PER TON	\$2.59
HOST COUNTY FEE: @ \$3.00 PER TON	\$31.08

DRIVER: VWed Jun 2010 05/18/10 11:35:43

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007681

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No
Generator Name		Cabot Oil & Gas Corporation	
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY	
Contact Name		Chris Lowman	Cell# 412-580-8659 Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	APV (3-letter code) Truck# 57
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE		PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010		100%
TOTAL PERCENTAGE			100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>			
GENERATOR SIGNATURE / TITLE		DATE	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED
W/FEIGHTMASTER SIGNATURE		LICENSE#	DATE

115-30

dec 2 10 7 2010

6-16-10

1404/2011

6-16-10

70953

6-16-10

11:30

CABOT-EPA 007682

DIM0227454

DIM0228915



**Wayne Township Landfill**  
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10 BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404251  
DATE: 6/17/2010  
TIME: 07:58:07 - 08:55:26

TRUCK: ALLSTAT BL  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 59660 LBS Scale  
TARE: 43260 LBS Scale  
NET: 16400 LBS  
TONS: 8.20 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	8.20 @ \$31.50 per Ton	\$258.30
			TOTAL FEES:	\$86.10
			TOTAL AMOUNT:	\$344.40

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$258.30
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$10.25
PA RECYCLING FEE: @ \$2.00 PER TON	\$16.40
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$34.85
HOST COUNTY FEE: @ \$3.00 PER TON	\$24.60

DRIVER: Thu Jun 2010 08:57:10 08:55:24

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007683

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	Box 147-20
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Cell# 412-580-8659	Office# 412-249-3927	1001
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck# 59 10914
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE		PERCENTAGE	
801	drilling residuals from natural gas well drilling - WTL ECN280344 - 5/12/2010		100%	
TOTAL PERCENTAGE			100%	
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED 70953 6-17-10 8:55 REJECTED		
WFOIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)

CABOT-EPA 007684

DIM0227454

DIM0228917



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404253  
DATE: 6/17/2010  
TIME: 08:00:56 - 08:59:55

TRUCK: ALSTATE57  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 64640 LBS Scale  
TARE: 43240 LBS Scale  
NET: 21400 LBS  
TONS: 10.70 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	10.70 @ \$31.50 per Ton	\$337.05
TOTAL FEES:				\$112.36
TOTAL AMOUNT:				\$449.41

**EES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$337.05
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$13.38
PA RECYCLING FEE: @ \$2.00 PER TON	\$21.40
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$45.48
HOST COUNTY FEE: @ \$3.00 PER TON	\$32.10

DRIVER: THU JUN 2010 08:17:10 DB:58:54

IN OPERATOR: TRACY - 066750  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007685

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	APU (3-letter code)	Truck#	57
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.					
GENERATOR SIGNATURE OF CERTIFICATION		TITLE		DATE	
		1404 / 7/2011		6-16-10	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
		70953		6-16-10	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
		70953		6-17-10	
WFEIGHTMASTER SIGNATURE		LICENSE#		DATE	
		70953		6-17-10	
				TIME (AM/PM)	
				8:59	

Box 56-20

10733



**Wayne Township Landfill**  
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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404292  
DATE: 6/17/2010  
TIME: 10:32:30 - 11:08:03

TRUCK: WM 41057  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 55660 LBS Scale  
TARE: 37120 LBS Scale  
NET: 18540 LBS  
TONS: 9.27 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	9.27	@ \$31.50 per Ton	\$292.01
				TOTAL FEES:	\$97.34
				TOTAL AMOUNT:	\$389.35

**FEEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$292.01
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$11.59
PA RECYCLING FEE: @ \$2.00 PER TON	\$18.54
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$39.40
HOST COUNTY FEE: @ \$3.00 PER TON	\$27.81

DRIVER: Thu Jun 2010 06/17/10 11:08:00

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007687

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	WJA (3-letter code)	Truck# 452
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE 6/17/10
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
WMB		04 moek WH1436 FEB 2011	6/17/10	
LANDFILL WASTE INSPECTOR SIGNATURE		70953	ACCEPTED	REJECTED
W/FIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
Seth M. Elch			6-17-10	11:08

CABOT-EPA 007688

DIM0227454

DIM0228921





PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404295  
DATE: 6/17/2010  
TIME: 10:37:33 - 11:14:15

TRUCK: WM410037  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 64040 LBS Scale  
TARE: 36700 LBS Scale  
NET: 27340 LBS  
TONS: 13.67 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.67 @ \$31.50 per Ton	\$430.61
TOTAL FEES:				\$143.54
TOTAL AMOUNT:				\$574.15

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$430.61
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.09
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.34
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$58.10
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.01

IN OPERATOR: JESSICA - 70953  
DRIVER: Thu Jun 2010 06/17/10 11:14:13 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007689

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	WM (3-letter code)	Truck# 40037
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE
TRANSPORTER / DRIVER SIGNATURE		WHM & MO/YR EXPIRATION	DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME / AM / PM

CABOT-EPA 007690

DIM0227454

DIM0228923



PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404299  
DATE: 6/17/2010  
TIME: 10:40:57 - 11:20:06

TRUCK: WM 409026  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 66180 LBS Scale  
TARE: 35660 LBS Scale  
NET: 30520 LBS  
TONS: 15.26 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	15.26 @ \$31.50 per Ton	\$480.69
			TOTAL FEES:	\$160.24
			TOTAL AMOUNT:	\$640.93

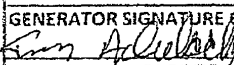



FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$480.69
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$19.08
PA RECYCLING FEE: @ \$2.00 PER TON	\$30.52
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$64.86
HOST COUNTY FEE: @ \$3.00 PER TON	\$45.78

IN OPERATOR: JESSICA - 70953  
DRIVER: Time Jun 2010 06/17/10 11:20 04 OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007691

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No
Generator Name Cabot Oil & Gas Corporation			
Generator Location 2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile CAB2 (3-letter code)	Carrier W, M (3-letter code)	Truck# 1070216	
Customer/Charge To 809 (3-digit number)	Origin 58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE	PERCENTAGE	
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010	100%	
TOTAL PERCENTAGE		100%	
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is not more hazardous as defined by 40 CFR Part 261.</p>			
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE	
		6-17-10	
TRANSPORTER / DRIVER SIGNATURE		DATE	
		6-17-10	
LANDFILL WASTE INSPECTOR SIGNATURE		DATE	
		6-17-10	
WEIGHMASTER SIGNATURE		DATE	
		6-17-10	
LICENSE#		TIME (AM / PM)	
70953		11:20	

CABOT-EPA 007692

DIM0227454

DIM0228925



PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404302  
DATE: 6/17/2010  
TIME: 10:46:00 - 11:23:47

TRUCK: WM 411528  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 62120 LBS Scale  
TARE: 36340 LBS Scale  
NET: 25780 LBS  
TONS: 12.89 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.89	@ \$31.50 per Ton	\$406.04
TOTAL FEES:					\$135.34
TOTAL AMOUNT:					\$541.38

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$406.04
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$16.11
PA RECYCLING FEE: @ \$2.00 PER TON	\$25.78
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$54.78
HOST COUNTY FEE: @ \$3.00 PER TON	\$38.67

DRIVER: Thu Jun 2010 06/17/10 11:23:46

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007693

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#	411528
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION		DATE		6-17-10	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
WFOHMASTER SIGNATURE		ICFNSF#		DATE	

CABOT-EPA 007694

DIM0227454

DIM0228927



PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404306  
DATE: 6/17/2010  
TIME: 10:47:47 - 11:29:11

TRUCK: WM411901  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 60120 LBS Scale  
TARE: 36320 LBS Scale  
NET: 23800 LBS  
TONS: 11.90 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	11.90 @ \$31.50 per Ton	\$374.85
TOTAL FEES:				\$124.96
TOTAL AMOUNT:				\$499.81

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$374.85
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$14.88
PA RECYCLING FEE: @ \$2.00 PER TON	\$23.80
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$50.58
HOST COUNTY FEE: @ \$3.00 PER TON	\$35.70

DRIVER: Thu Jun 2010 06/17/10 11:29:10

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007695

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY.			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	WH (3-letter code)	Truck# 41701	
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		6-17-10		DATE	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED	
WEIGHMASTER SIGNATURE		70953		10-17-10	
LICENSE#		DATE		TIME (AM / PM)	

CABOT-EPA 007696

DIM0227454

DIM0228929





PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404308  
DATE: 6/17/2010  
TIME: 10:51:41 - 11:33:41

TRUCK: WM 449  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 62360 LBS Scale  
TARE: 36400 LBS Scale  
NET: 25960 LBS  
TONS: 12.98 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.98 @ \$31.50 per Ton	\$408.87
			TOTAL FEES:	\$136.30
			TOTAL AMOUNT:	\$545.17

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$408.87
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$16.23
PA RECYCLING FEE: @ \$2.00 PER TON	\$25.96
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$55.17
HOST COUNTY FEE: @ \$3.00 PER TON	\$38.94

DRIVER: Thu Jun 10 08:27:10 11:33:40

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007697

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No <u>2134</u>
Generator Name		Cabot Oil & Gas Corporation	
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY	
Contact Name		Chris Lowman	Cell# 412-580-8659 Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)
Truck#	L44		
WASTE	DESCRIPTION OF WASTE		PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010		100%
TOTAL PERCENTAGE			100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>			
GENERATOR SIGNATURE OF CERTIFICATION		DATE	
TRANSPORTER DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED
W/FIGHMASTER SIGNATURE		LICENSE#	DATE
TIME		AM	PM

CABOT-EPA 007698

DIM0227454

DIM0228931



**Wayne Township Landfill**  
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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404316  
DATE: 6/17/2010  
TIME: 11:05:34 - 11:44:01

TRUCK: WM 411601  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 70720 LBS Scale  
TARE: 38100 LBS Scale  
NET: 32620 LBS  
TONS: 16.31 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16.31 @ \$31.50 per Ton	\$513.77
			TOTAL FEES:	\$171.26
			TOTAL AMOUNT:	\$685.03

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$513.77
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$20.39
PA RECYCLING FEE: @ \$2.00 PER TON	\$32.62
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$69.32
HOST COUNTY FEE: @ \$3.00 PER TON	\$48.93

DRIVER: THU JUN 2010 06/17/10 11:42:58

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007699

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	W M (3-letter code)	Truck# 411601
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	467
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280944 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
Michael Miller		6-17-10		
TRANSPORTER - DRIVER SIGNATURE		VIN# & MO/YR EXPIRATION	DATE	
Waste Management Michael Miller		6/17/10 X mark	6-17-10	
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
WEIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
Sally Gms		70953	6-17-10	11:44

CABOT-EPA 007700

DIM0227454

DIM0228933



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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404318  
DATE: 6/17/2010  
TIME: 11:10:25 - 11:48:09

TRUCK: WM 408793  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 68060 LBS Scale  
TARE: 35800 LBS Scale  
NET: 32260 LBS  
TONS: 16.13 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	16.13 @ \$31.50 per Ton	\$508.10
			TOTAL FEES:	\$169.36
			TOTAL AMOUNT:	\$677.46

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$508.10
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$20.16
PA RECYCLING FEE: @ \$2.00 PER TON	\$32.26
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$68.55
HOST COUNTY FEE: @ \$3.00 PER TON	\$48.39

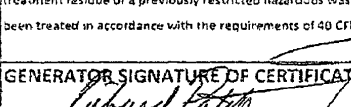
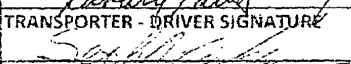
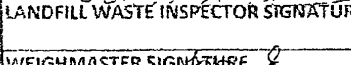
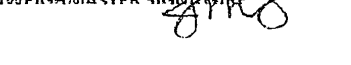
DRIVER: THU JUN 2010 06/17/10 11:48:08

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007701

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	WM (3-letter code)	Truck# 407753
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261, or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is not a hazardous as defined by 40 CFR Part 261.				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
 Cabot Oil & Gas Corporation WH# 1436 FEB 2011		6-17-10		
TRANSPORTER - DRIVER SIGNATURE		DATE		
 WH# & MO/YR EXPIRATION		6-17-10		
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED REJECTED		
 WH# 1436 FEB 2011		6-17-10		
WEIGHMASTER SIGNATURE		DATE		
 WH# 1436 FEB 2011		6-17-10		

CABOT-EPA 007702

DIM0227454

DIM0228935



BOX 209, MCELHATTAN, PA 17748  
 PHONE: 570-769-6977 FAX: 570-769-7366  
 HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404476  
 DATE: 6/18/2010  
 TIME: 09:50:35 - 10:18:48

TRUCK: WM 41057  
 CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
 FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
 GENERATOR 111/CABOT OIL & GAS CORP  
 GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
 COMMENT:

GROSS: 64720 LBS Scale  
 TARE: 36860 LBS Scale  
 NET: 27860 LBS  
 TONS: 13.93 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	13.93 @ \$31.50 per Ton	\$438.80
			TOTAL FEES:	\$146.26
			TOTAL AMOUNT:	\$585.06

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$438.80
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$17.41
PA RECYCLING FEE: @ \$2.00 PER TON	\$27.86
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$59.20
HOST COUNTY FEE: @ \$3.00 PER TON	\$41.79

IN OPERATOR: JESSICA - 70953  
 OUT OPERATOR: JESSICA - 70953  
 DRIVER: For Jun 2010 08/18/10 10:18:48

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007703

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	(3-letter code)	Truck#	41057
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)		
WASTE	DESCRIPTION OF WASTE				PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010				100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION / TITLE				DATE	
Wjm Bill Hapsheng WH1436 Exp FEB 2011				6/18/10	
TRANSPORTER - DRIVER SIGNATURE				DATE	
William C. East					
LANDFILL WASTE INSPECTOR SIGNATURE				DATE	
Ame				6-18-10	
WEIGHMASTER SIGNATURE				DATE	
70953				6-18-10	
LICENSE#				TIME (AM/PM)	
				10:18	





**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404479  
DATE: 6/18/2010  
TIME: 09:53:53 - 10:24:39

TRUCK: WM 449  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

GROSS: 59700 LBS Scale  
TARE: 36540 LBS Scale  
NET: 23160 LBS  
TONS: 11.58 TNS

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	11.58 @ \$31.50 per Ton	\$364.77
			TOTAL FEES:	\$121.60
			TOTAL AMOUNT:	\$486.37

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$364.77
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$14.48
PA RECYCLING FEE: @ \$2.00 PER TON	\$23.16
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$49.22
HOST COUNTY FEE: @ \$3.00 PER TON	\$34.74

DRIVER: Fri Jun 2010 09:18:10 10 24:38

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007705

Wayne Township Landfill		PADEP Permit#100955		Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation			
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY			
Contact Name		Chris Lowman		Cell# 412-580-8659 Office# 412-249-3927	
Profile		CAB2 (3-letter code)		Carrier (3-letter code)	
Customer/Charge To		809 (3-digit number)		Origin 58 (2-digit number)	
Truck#		444			
WASTE		DESCRIPTION OF WASTE			PERCENTAGE
801		drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE					100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>					
GENERATOR SIGNATURE OF CERTIFICATION		TITLE		DATE	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION		DATE	
LANDFILL WASTE INSPECTOR SIGNATURE		70953		ACCEPTED 10-18-10	
W/FIGHMASTER SIGNATURE		LICENSE#		DATE TIME (AM / PM)	



Wayne Township Landfill  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404483  
DATE: 6/18/2010  
TIME: 09:56:44 - 10:32:49

TRUCK: WM 410037  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2[REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 62080 LBS Scale  
TARE: 36500 LBS Scale  
NET: 25580 LBS  
TONS: 12.79 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.79 @ \$31.50 per Ton	\$402.89
			TOTAL FEES:	\$134.30
			TOTAL AMOUNT:	\$537.19

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$402.89
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.99
PA RECYCLING FEE: @ \$2.00 PER TON	\$25.58
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$54.36
HOST COUNTY FEE: @ \$3.00 PER TON	\$38.37

IN OPERATOR: JESSICA - 70953

DRIVER: Fri Jun 18 09:56:44 2010

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007707

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	UIM (3-letter code)	Truck# 410037
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL EC#280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION		TITLE	DATE	
[Signature]		1436 / Feb 2011	6-18-10	10-18-10
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE	
[Signature]				
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED	REJECTED	
[Signature]		70953	6-18-10	10:33
UNFIGHMASTER SIGNATURE		LICENSE#	DATE	TIME (AM / PM)
[Signature]				



**Wayne Township Landfill**  
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BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404486  
DATE: 6/18/2010  
TIME: 10:04:57 - 10:36:53

TRUCK: WM 411601  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 61560 LBS Scale  
TARE: 37360 LBS Scale  
NET: 24200 LBS  
TONS: 12.10 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	12.10	@ \$31.50 per Ton	\$381.15
				TOTAL FEES:	\$127.06
				TOTAL AMOUNT:	\$508.21

**FEES COMPRISED OF THE FOLLOWING:**

DISPOSAL/SERVICES:	\$381.15
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$15.13
PA RECYCLING FEE: @ \$2.00 PER TON	\$24.20
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$51.43
HOST COUNTY FEE: @ \$3.00 PER TON	\$36.30

DRIVER: FR JUN 2010 03/18/10 10 36 53

IN OPERATOR: JESSICA - 70953

OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007709

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No	
Generator Name		Cabot Oil & Gas Corporation		
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY		
Contact Name		Chris Lowman	Cell# 412-580-8659	Office# 412-249-3927
Profile		CAB2 (3-letter code)	Carrier <u>WM</u> (3-letter code)	Truck# <u>411601</u>
Customer/Charge To		809 (3-digit number)	Origin 58 (2-digit number)	
WASTE	DESCRIPTION OF WASTE			PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010			100%
TOTAL PERCENTAGE				100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND If the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>				
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE		
<i>Michael Smith</i>		6-18-10		
TRANSPORTER - DRIVER SIGNATURE		WH#& MO/YR EXPIRATION		DATE
<i>L. Smith</i>		1436 / FEB 2011		6/18/10
LANDFILL WASTE INSPECTOR SIGNATURE		ACCEPTED		REJECTED
<i>Agnes</i>		70953 6-18-10		<i>JD: 3C</i>
WFOHMASTER SIGNATURE		LICENSE#		DATE



Wayne Township Landfill  
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PO BOX 209, MCELHATTAN, PA 17748  
PHONE: 570-769-6977 FAX: 570-769-7366  
HOURS: M-F 7:00 - 4:00 S 7:00 - 12:00

TICKET: 404488  
DATE: 6/18/2010  
TIME: 10:00:44 - 10:40:33

TRUCK: WM 408253  
CUSTOMER: 809/CABOT OIL & GAS CORPORATION  
FIVE PENN CENTER WEST, SUITE 401 PITTSBURGH, PA 15276

PROFILE: CAB2 [REDACTED] 2H4H WELL - CABOT OIL & GAS  
GENERATOR 111/CABOT OIL & GAS CORP  
GRID: DC2/N 2945.84 E 11264.02 ELE 656.69  
COMMENT:

GROSS: 54640 LBS Scale  
TARE: 36440 LBS Scale  
NET: 18200 LBS  
TONS: 9.10 TNS

ORIGIN	MATERIALS & SERVICES	PCT	QUANTITY	RATE	AMOUNT
58/SUSQUEHANNA	801/DRILLING RESIDUALS	100	9.10	@ \$31.50 per Ton	\$286.65
				TOTAL FEES:	\$95.56
				TOTAL AMOUNT:	\$382.21

FEES COMPRISED OF THE FOLLOWING:

DISPOSAL/SERVICES:	\$286.65
HOST COMMUNITY FEE: @ \$1.25 PER TON	\$11.38
PA RECYCLING FEE: @ \$2.00 PER TON	\$18.20
ENVIRONMENTAL STEWARDSHIP FEE: @ \$4.25 PER TON	\$38.68
HOST COUNTY FEE: @ \$3.00 PER TON	\$27.30

DRIVER: Fri Jun 18 2010 08:18:10 -10 10:32

IN OPERATOR: JESSICA - 70953  
OUT OPERATOR: JESSICA - 70953

www.waynetwplandfill.com E-MAIL: ccswa@waynetwplandfill.com

CABOT-EPA 007711

Wayne Township Landfill		PADEP Permit#100955	Residual Waste Manifest No
Generator Name		Cabot Oil & Gas Corporation	
Generator Location		2H4H WELL-LAT414422.03N - LONG755400.74W - DIMOCK TWP - SUSQUEHANNA CTY	
Contact Name		Chris Lowman	Cell# 412-580-8659 Office# 412-249-3927
Profile	CAB2 (3-letter code)	Carrier	WM (3-letter code) Truck# 708253
Customer/Charge To	809 (3-digit number)	Origin	58 (2-digit number)
WASTE	DESCRIPTION OF WASTE		PERCENTAGE
801	drilling residuals from natural gas well drilling - WTL ECH280344 - 5/12/2010		100%
TOTAL PERCENTAGE			100%
<p>Generator Certification: I hereby certify that the above named material(s) is not hazardous waste as defined by CFR Part 261 or any applicable state law, has been properly described and packaged and is in proper condition for transportation according to applicable regulations AND if the waste is a treatment residue of a previously restricted hazardous waste subject to the Landfill Disposal Restriction, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer hazardous as defined by 40 CFR Part 261.</p>			
GENERATOR SIGNATURE OF CERTIFICATION / TITLE		DATE 6-18-10	
TRANSPORTER - DRIVER SIGNATURE		WH# & MO/YR EXPIRATION	DATE
Waste mgt		1936 feb 2011	6-18-10
LANDFILL WASTE INSPECTOR SIGNATURE		708253	ACCEPTED 6-18-10 REJECTED 10:41
WASTE MASTER SIGNATURE		LICENSE#	DATE TIME (AM/PM)



**APPENDIX E**

CABOT-EPA 007713

## **APPENDIX E**

### **Boring Logs**



**URS Corporation**  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

## Monitoring Well: MW-1

**Project:** 2H/4H Wellsite

**Project No.:** 39938634.00018

**Client:** Cabot

**Project Manager:** David Testa

**Location:** Dimock PA

**Geologist:** Amanda Bayne

SUBSURFACE PROFILE				SAMPLE				Well Completion Details
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count	PID Readings	
ft m								
-3								
-1								
1		Ground Surface	0					
3		<b>DECOMPOSED SANDSTONE</b> Reddish brown decomposed shaly sandstone, dry.						
5								
7		Auger refusal at 7' (switch to air rotary)						
9			10					
11		<b>SANDSTONE AND SHALE</b> Light gray sandstone with thinly interbedded shale, dry.						
13								
15		Water at 21'.						
17								
19								
21								
23								
25								
27		End of Log	27					

Locking Steel Casing

Concrete

2" PVC Casing

Bentonite

Sand Pack

2" PVC 0.010 Slot Screen

**Drill Method:** HSA/Air Rotary

**Rig:** Acker Solmax

**Datum:** TOC = 1551.48

**Drill Date:** 5/19/10

**Drilling Co.:** GeoEnvironmental Drilling, Inc.

**checked by:** JP

**Hole Size:** 6 1/4"

**Driller:** Bill Wayne

**Sheet:** 1 of 1

CABOT-EPA 007715



**URS Corporation**  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

## Monitoring Well: MW-2

**Project:** 2H/4H Wellsite

**Project No.:** 39938634.00018

**Client:** Cabot

**Project Manager:** David Testa

**Location:** Dimock PA

**Geologist:** Amanda Bayne

SUBSURFACE PROFILE				SAMPLE				Well Completion Details
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count	PID Readings	
-3 m								
-1		Ground Surface	0					
1		<b>GRAVEL</b> Light gray gravel with light brown sandstone fragments (pad fill), dry.	2					
3		<b>DECOMPOSED SANDSTONE</b> Reddish brown decomposed shaly sandstone, dry.						
5								
7		Auger refusal at 9' (switch to air rotary)						
9			9					
11		<b>SANDSTONE AND SHALE</b> Light gray sandstone with thinly interbedded shale, dry.						
13								
15								
17								
19								
21								
23								
25								
27								
		Water at 53'.						

**Drill Method:** HSA/Air Rotary

**Rig:** Acker Solmax

**Datum:** TOC = 1550.30

**Drill Date:** 5/17/10

**Drilling Co.:** GeoEnvironmental Drilling, Inc. **checked by:** JP

**Hole Size:** 6 1/4"

**Driller:** Bill Wayne

**Sheet:** 1 of 2

CABOT-EPA 007716



URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

## Monitoring Well: MW-2

**Project:** 2H/4H Wellsite

**Project No.:** 39938634.00018

**Client:** Cabot

**Project Manager:** David Testa

**Location:** Dimock PA

**Geologist:** Amanda Bayne

SUBSURFACE PROFILE				SAMPLE			Well Completion Details		
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count		PID Readings	
29								 Sand Pack 2" PVC 0.010 Slot Screen	
31									
33		10							
35									
37									
39		12							
41									
43									
45		14							
47									
49									
51									
53		16							
55									
57				57					
<b>Drill Method:</b> HSA/Air Rotary				<b>Rig:</b> Acker Solmax		<b>Datum:</b> TOC = 1550.30			
<b>Drill Date:</b> 5/17/10				<b>Drilling Co.:</b> GeoEnvironmental Drilling, Inc.		<b>checked by:</b> JP			
<b>Hole Size:</b> 6 1/4"				<b>Driller:</b> Bill Wayne		<b>Sheet:</b> 2 of 2			

CABOT-EPA 007717



**URS Corporation**  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

## Soil Boring: SB-3

**Project:** 2H/4H Wellsite

**Project No.:** 39938634.00018

**Client:** Cabot

**Project Manager:** David Testa

**Location:** Dimock PA

**Geologist:** Amanda Bayne

SUBSURFACE PROFILE				SAMPLE				Well Completion Details
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count	PID Readings	
ft m								
-3								
-1		Ground Surface	0					
1		<b>GRAVEL</b> Light gray gravel with light brown sandstone fragments (pad fill), dry.	2					
3		<b>DECOMPOSED SANDSTONE</b> Reddish brown decomposed shaly sandstone, dry.						
5								
7								
9								
11								
13								
15		Auger refusal at 18' (switch to air rotary)						
17			18					
19		<b>SANDSTONE AND SHALE</b> Light gray sandstone with thinly interbedded shale, dry.						
21								
23								
25		Damp zones at 54 to 56' and 60 to 61'.						
27								
29		Boring drilled to 100' and allowed to sit overnight. No water was encountered in the borehole the following morning. No well installed due to insignificant water zone encountered during drilling.						
31		Borehole was moved over 10' and drilled to 80'. No significant water encountered in borehole, therefore no well installed.						
33								
35								
37								

**Drill Method:** HSA/Air Rotary

**Rig:** Acker Solmax

**Datum:** Gnd. Surf = 1546.73

**Drill Date:** 5/19/10

**Drilling Co.:** GeoEnvironmental Drilling, Inc.

**Checked by:** JP

**Hole Size:** 6 1/4"

**Driller:** Bill Wayne

**Sheet:** 1 of 3

CABOT-EPA 007718



URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

### Monitoring Well: SB-3

**Project:** 2H/4H Wellsite

**Project No.:** 39938634.00018

**Client:** Cabot

**Project Manager:** David Testa

**Location:** Dimock PA

**Geologist:** Amanda Bayne

SUBSURFACE PROFILE				SAMPLE			Well Completion Details	
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count		PID Readings
39								
41								
43		13						
45								
47								
49		15						
51								
53								
55								
57		17						
59								
61								
63		19						
65								
67								
69		21						
71								
73								
75	23							
77								

<b>Drill Method:</b> HSA/Air Rotary	<b>Rig:</b> Acker Solmax	<b>Datum:</b> Gnd. Surf = 1546.73
<b>Drill Date:</b> 5/19/10	<b>Drilling Co.:</b> GeoEnvironmental Drilling, Inc	<b>Checked by:</b> JP
<b>Hole Size:</b> 6 1/4"	<b>Driller:</b> Bill Wayne	<b>Sheet:</b> 2 of 3

CABOT-EPA 007719



URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

### Monitoring Well: SB-3

**Project:** 2H/4H Wellsite

**Project No.:** 39938634.00018

**Client:** Cabot

**Project Manager:** David Testa

**Location:** Dimock PA

**Geologist:** Amanda Bayne

SUBSURFACE PROFILE				SAMPLE			Well Completion Details
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count	
79	25						
81							
83							
85							
87							
89							
91							
93							
95							
97							
99	29	End of Log	100				
101							
103							
105							
107							
109							
111							
113							
115							
117	35						

**Drill Method:** HSA/Air Rotary  
**Drill Date:** 5/19/10  
**Hole Size:** 6 1/4"

**Rig:** Acker Solmax  
**Drilling Co.:** GeoEnvironmental Drilling, Inc  
**Driller:** Bill Wayne

**Datum:** Gnd. Surf = 1546.73  
**Checked by:** JP  
**Sheet:** 3 of 3

CABOT-EPA 007720





URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

## Monitoring Well: MW-4

Project: 2H/4H Wellsite

Project No.: 39938634.00018

Client: Cabot

Project Manager: David Testa

Location: Dimock PA

Geologist: Amanda Bayne

SUBSURFACE PROFILE				SAMPLE				Well Completion Details
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count	PID Readings	
ft m								
-3								
-1		Ground Surface	0					
1		<b>GRAVEL</b> Light gray gravel with light brown sandstone fragments (pad fill), dry.	2					
3		<b>DECOMPOSED SANDSTONE</b> Reddish brown decomposed shaly sandstone, dry.						
5								
7								
9								
11								
13								
15		Auger refusal at 18' (switch to air rotary)						
17			18					
19		<b>SANDSTONE AND SHALE</b> Light gray sandstone with thinly interbedded shale, dry.						
21								
23								
25		Moist zones at 54 to 56' and 60 to 61'.						
27								
29		Boring drilled to 100' and allowed to sit overnight. Water level of 85' the following morning dictated well screen interval due to no significant water bearing zone encountered at a shallower depth.						
31								
33								
35								
37								

Locking Steel Casing

Concrete

Bentonite

2" PVC Casing

Drill Method: HSA/Air Rotary

Rig: Acker Solmax

Datum: TOC = 1549.51

Drill Date: 5/18/10

Drilling Co.: GeoEnvironmental Drilling, Inc.

Checked by: JP

Hole Size: 6 1/4"

Driller: Bill Wayne

Sheet: 1 of 3

CABOT-EPA 007721



URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

### Monitoring Well: MW-4

**Project:** 2H/4H Wellsite

**Project No.:** 39938634.00018

**Client:** Cabot

**Project Manager:** David Testa

**Location:** Dimock PA

**Geologist:** Amanda Bayne

SUBSURFACE PROFILE				SAMPLE			Well Completion Details		
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count		PID Readings	
39	13								
41									
43									
45									
47									
49		15							
51									
53									
55		17							
57									
59									
61		19							
63									
65									
67	21								
69									
71									
73	23								
75									
77									

<b>Drill Method:</b> HSA/Air Rotary	<b>Rig:</b> Acker Solmax	<b>Datum:</b> TOC = 1549.51
<b>Drill Date:</b> 5/18/10	<b>Drilling Co.:</b> GeoEnvironmental Drilling, Inc.	<b>Checked by:</b> JP
<b>Hole Size:</b> 6 1/4"	<b>Driller:</b> Bill Wayne	<b>Sheet:</b> 2 of 3

CABOT-EPA 007722



URS Corporation  
Foster Plaza 4  
501 Holiday Drive, Suite 300  
Pittsburgh, PA 15220

## Monitoring Well: MW-4

**Project:** 2H/4H Wellsite

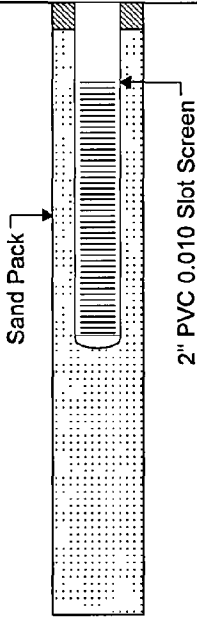
**Project No.:** 39938634.00018

**Client:** Cabot

**Project Manager:** David Testa

**Location:** Dimock PA

**Geologist:** Amanda Bayne

SUBSURFACE PROFILE				SAMPLE			Well Completion Details									
Depth	Symbol	Description	Elevation	Recovery	Sample Type	Blow Count		PID Readings								
79	25															
81																
83																
85																
87																
89																
91																
93																
95																
97																
27																
89																
91																
93																
95																
97																
99																
101																
103																
105																
29		End of Log	100													
97																
99																
101																
103																
105																
107																
109																
111																
113																
31																
103																
105																
107																
109																
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**Drill Method:** HSA/Air Rotary  
**Drill Date:** 5/18/10  
**Hole Size:** 6 1/4"

**Rig:** Acker Solmax  
**Drilling Co.:** GeoEnvironmental Drilling, Inc.  
**Driller:** Bill Wayne

**Datum:** TOC = 1549.51  
**checked by:** JP  
**Sheet:** 3 of 3